

20001109.qrp v02_n001.qrl.20001109

Date: Thu, 9 Nov 2000 19:03:06 EST

From: qrp-1@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: QRP-L digest 2001

QRP-L Digest 2001

Topics covered in this issue include:

- 1) [83573] Re: Meissner Signal Shifter PSK31 project report
by "George, W5YR" <w5yr@att.net>
- 2) [83574] PSK DigiPan 1.5
by John R Kirby <n3aaz-qrp@juno.com>
- 3) [83575] Re: Meissner Signal Shifter PSK31 project report
by John R Kirby <n3aaz-qrp@juno.com>
- 4) [83576] General Log s/w w/QRP?
by TheMardster@cs.com
- 5) [83577] NEQRP WQ1RP CW Net, Thursday, 9:00 PM EST, 7.035 MHz
by "C. J. Ludinsky" <cjl@mitre.org>
- 6) [83578] FOX - Was it a 5 night or what??
by Joe Smith <joe@joesmith.net>
- 7) [83579] 10 meters
by "K7PRZ Dave" <K7PRZ@earthlink.net>
- 8) [83580] Re: General Log s/w w/QRP?
by Larry S Cahoon <wd3p@juno.com>
- 9) [83581] Pixie Motorboating
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 10) [83582] ZIF sockets
by n2go@arrl.net
- 11) [83583] Re: Meissner Signal Shifter PSK31 project report
by n4qa@juno.com
- 12) [83584] Re: CONTEST - a proposal
by Ken Newman <N2CQ@citnet.com>
- 13) [83585] Warbler Q1 & Q7
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 14) [83586] Ping! [no message]
by Slqghp@aol.com
- 15) [83587] Re: Warbler Q1 & Q7
by John Wagner <john@neknetwork.com>
- 16) [83588] schematic program
by Joe Smith <joe@joesmith.net>
- 17) [83589] RE: schematic program
by "Randall" <Firefox@Southwind.net>
- 18) [83590] AF4PS FOX Cub Fox Outing -
by Radioham <radioham@home.com>
- 19) [83591] Re: schematic program

- by "Victor Blackwell" <victor@brecnet.com>
- 20) [83592] RE: schematic program
by Joe Smith <joe@joesmith.net>
- 21) [83593] Schematic program - Eagle CAD
by "Trevor Jacobs" <fxtech@earthlink.net>
- 22) [83594] Anti static protection
by "Stephen Farthing" <stephen@stevef.demon.co.uk>
- 23) [83595] Patcomm Radio.....
by Niels Jensen Kristjansson <nkristja@cadvision.com>
- 24) [83596] FW: Space Radiation Storm
by "Ed Tanton" <n4xy@att.net>
- 25) [83597] Re: AF4PS FOX Cub Fox Outing -
by "Steve/n0tu" <n0tu@webaccess.net>
- 26) [83598] FOX - Cub outing #6 AF4PS (Log and Soapbox)
by Macstein@aol.com
- 27) [83599] Motorhome F/ON6TS/M
by John R Kirby <n3aaz-qrp@juno.com>
- 28) [83600] Re: Warbler Q1 & Q7 (long)
by n2cx@voicenet.com
- 29) [83601] Fw: Space Radiation Storm
by "N1RZ" <n1rz@timhavens.com>
- 30) [83602] Re: AF4PS FOX Cub Fox Outing -
by "Brian" <brian@iquest.net>
- 31) [83603] Re: FOX - Cub outing #6 AF4PS (Log and Soapbox)
by "Brian" <brian@iquest.net>
- 32) [83604] Re: Warbler Q1 & Q7 (long)
by n2cx@voicenet.com
- 33) [83605] F/S Shack Cleaning
by "Francis Callahan" <colcal@srv.net>
- 34) [83606] Warbler: QSO sample
by "Dave Benson" <nn1g@earthlink.net>
- 35) [83607] Warbler Q1 & Q7 Revisited or Did Joe get it wrong?
by "Cla KA0GKC" <ka0gkc@arrl.net>
- 36) [83608] RE: Patcomm Radio.....
by "Jensen, Eric" <ejensen@siemens-psc.com>
- 37) [83609] RE: QRP Dupe
by "Randall" <Firefox@Southwind.net>
- 38) [83610] Free and Easy schematic program
by Bill Lazure <n2tpa@juno.com>
- 39) [83611] Contest: QRPDUPE: Reminder
by Brian Kassel <bkassel@dancris.com>
- 40) [83612] N0SS Broadband RF Noise Generator Kits
by Bob Hightower <nk7m@extremezone.com>
- 41) [83613] KL7H/C6A Back on Line
by "Bruce & Tosh Hopkins" <makai@grouper.batelnet.bs>
- 42) [83614] HB - W1FB Dir-Con, T-05 LM308s
by Slqghp@aol.com
- 43) [83615] Re: Warbler Q1 & Q7 Revisited or Did Joe get it wrong?

by n2cx@voicenet.com

44) [83616] Re: FOX - Cub outing #6 AF4PS (Log and Soapbox)
by Macstein@aol.com

45) [83617] Re: FOX - Cub outing #6 AF4PS (Log and Soapbox)
by "Brian" <brian@iquest.net>

46) [83618] Re: QRP Dupe
by Lew Paceley <lew@paceley.com>

47) [83619] Receive Audio Adjustment for PSK-80 Warbler
by NB6M@aol.com

48) [83620] Re: General Log s/w w/QRP?
by John Meade <john.meade@smc.com>

49) [83621] Re: FOX - Cub outing #6 AF4PS (Log and Soapbox)
by Macstein@aol.com

50) [83622] Warbler transistor installation
by William Mabry <n4qa@juno.com>

51) [83623] Re: Receive Audio Adjustment for PSK-80 Warbler
by Phil Wheeler <w7ox@earthlink.net>

52) [83624] Nostalgia Want: Drake 2NT
by WA6GER@aol.com

53) [83625] Re: HB - W1FB Dir-Con, T-05 LM308s
by n2cx@voicenet.com

54) [83626] FW: QRPers in this years SS
by "Bliss, Jerry" <Jerry.Bliss@us.telegyr.com>

55) [83627] Re: Fort Wayne Hamfest
by wd9eyb@butler.qrp.com

56) [83628] Stripboard Magic schematic program
by "M05aaa01" <merryprankster@CWCOM.NET>

57) [83629] OT: Help Getting Yaesu FT757gxii Rig Serviced
by schoon@amgt.com

58) [83630] FOX- Second announcement for fox #6 11/09
by "Pat Cain, K0PC" <pcain@netscape.net>

59) [83631] Trade 6m xverter for SST
by Ed Kessler <edkess@epix.net>

60) [83632] FS: SW+ 20m w/tick and freqmite
by Ed Kessler <edkess@epix.net>

61) [83633] Re: Patcomm Radio.....
by "Paul Christensen" <paulc@mediaone.net>

62) [83634] Re: Contest: QRPDUPE: Reminder
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>

63) [83635] FOX: Cub Fox for Monday Nov. 13 est
by "Doyle, Ronald D" <RD130947@exchange.DAYTONOH.NCR.com>

64) [83636] Re: Patcomm Radio.....
by Phil Wheeler <w7ox@earthlink.net>

65) [83637] QRP late breaking news.
by Macstein@aol.com

66) [83638] 7X4AN on 21.010.6 at 2025Z 10/9/00
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>

67) [83639] FOX: Cub Fox hunt Monday November 13, 9:00est

- by "Doyle, Ronald D" <RD130947@exchange.DAYTONOH.NCR.com>
- 68) [83640] Re: Patcomm Radio.....
by Phil Wheeler <w7ox@earthlink.net>
- 69) [83641] Re: Patcomm Radio.....
by Phil Wheeler <w7ox@earthlink.net>
- 70) [83642] Re: Patcomm Radio.....
by "Paul Christensen" <paulc@mediaone.net>
- 71) [83643] Re: Patcomm Radio.....[PC-500]
by Phil Wheeler <w7ox@earthlink.net>
- 72) [83644] PROTON EVENT WARNING
by "Paul Harden, NA5N" <na5n@rt66.com>
- 73) [83645] Results of the NOVEMBER SPARTAN SPRINT
by Russ Carpenter <russ@natworld.com>
- 74) [83646] RE: QRPers in this years SS
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 75) [83647] Re: QRP late breaking news.
by "Karl F. Larsen" <k5di@zianet.com>
- 76) [83648] Iambic Paddle/Tick Keyer Kit
by "Karl F. Larsen" <k5di@zianet.com>

Date: Wed, 08 Nov 2000 18:10:59 -0600
From: "George, W5YR" <w5yr@att.net>
To: n4qa@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [83573] Re: Meissner Signal Shifter PSK31 project report
Message-ID: <3A09EB93.2ED7C0E1@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill, you don't have to worry about the "exact" frequency since DigiPan will let you see the entire audio/IF passband of the receiver and then to select any signal contained therein. In the "old days" of PSK31 we had to be able to set frequencies to within one Hz ideally, but now the only requirement of the receiver and transmitter is that they be reasonably stable and not drift much at all. A few Hz over say 10 minutes would be acceptable.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

n4qa@juno.com wrote:

>
> Hi, Y'all.
> As I mentioned in a recent post, I am now "trained" in the art of
> receiving PSK31 transmissions on a Radio Shack DX-390 communications
> receiver. I would rather do the receiving on my Hammarlund SP-600-JX-26
> in crystal control mode. For this, I need a frequency-determining crystal
> of the frequency 4035 kHz... Say, wasn't 4035 an old MARS frequency ?
> Anyway, on frequencies below 7.4 MHz, the SP-600-JX-26 uses a single I.F.
> of 455 kHz so, using a "high-side" xtal HFO, ... $4035 - 455 = 3580$ kHz (
> the low end of the 80 m PSK31 "band"). The 6 dB selectable bandwidths of
> the I.F of this receiver are 200, 500, 1300, 8000 and 13000 Hz.

Date: Wed, 8 Nov 2000 19:11:11 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [83574] PSK DigiPan 1.5
Message-ID: <20001108.191402.-258427.1.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

"Mark" and "Swap"

!! WOW !!

Very nice touch . . . tnx agn . . .

John
N3AAZ
FM 19 xa

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Wed, 8 Nov 2000 19:31:04 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: n4qa@juno.com, qrp-1@Lehigh.EDU

Subject: [83575] Re: Meissner Signal Shifter PSK31 project report
Message-ID: <20001108.193109.-258427.3.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

N4AQ

I can hardly wait . . .

I am headed to the bone yard now to see if I can help you with any tubes
. . .

M AY BE cuz those numbers look-ed familure a few years ago . . .

John
N3AAZ
FM 19 xa

On Wed, 8 Nov 2000 18:01:36 -0500 n4qa@juno.com writes:

>Hi, Y'all.
>As I mentioned in a recent post, I am now "trained" in the art of
>receiving PSK31 transmissions on a Radio Shack DX-390 communications
>receiver. I would rather do the receiving on my Hammarlund
>SP-600-JX-26
>in crystal control mode. For this, I need a frequency-determining
>crystal
>of the frequency 4035 kHz... Say, wasn't 4035 an old MARS frequency ?
>Anyway, on frequencies below 7.4 MHz, the SP-600-JX-26 uses a single
>I.F.
>of 455 kHz so, using a "high-side" xtal HF0, ... $4035 - 455 = 3580$ kHz
>(
>the low end of the 80 m PSK31 "band"). The 6 dB selectable bandwidths
>of
>the I.F of this receiver are 200, 500, 1300, 8000 and 13000 Hz.
>
>Ok, on the transmit side... I have found a source (or the source
>found
>me) for the FMX phase modulator and it should arrive here within the
>next
>week or so. I am told that the FMX may be less a couple of tubes,
>although it is not clear which. The FMX uses one each 6SJ7 audio amp,
>6SG7 reactance-tube modulator and OD3 VR150 voltage regulator. I will
>search for these, as required.
>I have noticed as, no doubt, many of you have that W1AW, among other
>good

>and positive things, serves as a really good marker for the middle of
>the
>"band" at 3581.5 kHz. when W1AW is on the air.
>I'm not sure, at this point, how much latitude I'll have in center
>frequency adjustment so I'll just find a crystal which falls
>somewhere
>within the "band". 3580 - 3583 , approx.
>That translates, of course, to 1790 - 1791.5 for the MSS.
>More later. 73-1,
>Bill, N4QA
>

>YOU'RE PAYING TOO MUCH FOR THE INTERNET!
>Juno now offers FREE Internet Access!
>Try it today - there's no risk! For your FREE software, visit:
><http://dl.www.juno.com/get/tagj>.

Date: Wed, 8 Nov 2000 19:34:27 EST
From: TheMardster@cs.com
To: qrp-l@lehigh.edu
Subject: [83576] General Log s/w w/QRP?
Message-ID: <c0.b68b866.273b4b13@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi all,

I'm currently using dxBase 2001 for my station log. I'm not overwhelmed with joy about the user interface so I am flirting with the idea of switching to something else. My question is this; is there high quality logging s/w with the ability to track DXCC countries using different power levels?

At the very least, I would like to be able to sort QSOs based on power output.

Any ideas?

Thanks!

Marty Ray, N9SE

Date: Wed, 08 Nov 2000 20:05:16 -0500
From: "C. J. Ludinsky" <cjl@mitre.org>
To: qrp-l@lehigh.edu
Subject: [83577] NEQRP WQ1RP CW Net, Thursday, 9:00 PM EST, 7.035 MHz

Message-ID: <3A09F84C.83F29D00@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The New England QRP Club's CW net meets again Thursday night (9 Nov 00) at 9:00 PM EST (0200Z, 10 Nov). This 40M net will be on or around 7.035 MHz (changed from 7.041 MHz to avoid conflicts with the fox hunt). Net control op for this Thursday will be Dennis, K1LGQ, operating from Brookline, NH.

Avoid the early pileups at the fox hunt, stop by, and say hello to Dennis and the rest of the folks on the net. Or, stop by after you bag the fox. In either case, drop down a few KHz and join in.

Last week's net on 80M had a light turnout, with a total of six participating, but we all had fun. QNI's included:

K1LGQ	Dennis	Brookline, NH
WA1JXR	Greg	Lancaster, MA
W1CFI	Paul	Cape Cod, MA
WB1HBE	John	Chelmsford, MA
N1EI	Charlie	Mansfield Center, CT

with yours truly, Chuck, K1CL, as net control op.

72 DE K1CL,
Chuck.

Date: Wed, 8 Nov 2000 19:08:54 -0600 (CST)
From: Joe Smith <joe@joesmith.net>
To: qrp-l@lehigh.edu
Subject: [83578] FOX - Was it a 5 night or what??
Message-ID: <Pine.LNX.4.10.10011081901330.11756-100000@nikola.joesmith.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For a while last night I wondered if the fox would ever hear me. All I heard were K5? this and WA5? that, and thought TX was going to get all the pelts. I tried fast code, slow code, medium speed code. Well persistence paid off and out of the ether came my full callsign! Ah, it is always a thrill! I was operating from my brother's home, where a full blown family election watch party was in progress.

Setup:

Icom 735
MFJ 9 something tuner
Vectronics DSP
40 meter Inverted V / 20 meter flattop at 60 ft, tweaked for NM
Heathkit HD1410 Keyer Paddles

Ample quantities of Fresca and chili cheese dip and some ham and cream
cheese rollup thingies.

Had a blast! Thanks for another fun hunt!

72, W0JOE

"I'm going to live forever, or die trying"

Date: Wed, 8 Nov 2000 17:14:50 -0800
From: "K7PRZ Dave" <K7PRZ@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [83579] 10 meters
Message-ID: <006001c049ea\$766cf180\$b7b2fea9@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I just got my K1 in the mail and starting to
put together. Wish my eyes were better.

On another note, there's a new 10 meter reflector on
Egroups. Relatively unmoderated, all are welcome to join.

It's at www.egroups.com and you can do a search on TenMeters
to find it.

All topic discussed. I'd love to get some qrp discussions
going to fire up some qrp 10-10 activity on ten.

73,
Dave k7prz
k7prz@earthlink.net

Date: Thu, 9 Nov 2000 01:16:39 +0000
From: Larry S Cahoon <wd3p@juno.com>
To: TheMardster@cs.com, qrp-1@Lehigh.EDU
Subject: [83580] Re: General Log s/w w/QRP?
Message-ID: <20001109.011646.-428315.0.wd3p@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

On Wed, 8 Nov 2000 19:34:27 EST TheMardster@cs.com writes:

>
> At the very least, I would like to be able to sort QSOs based on
> power output.
>

Marty,

I decided a long time ago none of the logging programs would ever meet all the specialized ways I would like to look at my log. As a result I set up my own database for the log in Paradox. Other database programs would work as well. Mine is not really written to be general for everyone. But anytime I want to track something new I can just add a new table and link it into the database. As a consequence I can query the file for just about anything, or sort it any way I want. I've even written a few specialized queries and reports. As an example if I want to know what counties I've worked KC4UG/M in while I was running under one watt output it is a simple query of the files. A slight modification of that will tell me the minimum power level I've worked him in each of those counties. So I can get quite fancy with what I ask for from the files. If you are up to working with a database program it is a great way to go.

73 de Larry.....WD3P

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Wed, 8 Nov 2000 19:41:33 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <WA1GJF@aol.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [83581] Pixie Motorboating
Message-ID: <00d401c049ee\$30f6d220\$5ac07481@rohredt2000>

The Pixie circuit card from FAR may motorboat due to a couple of causes we have identified here in TX.

The first is you need a stiff power supply. If you are using a 9 volt battery, it must be heavy duty and NEW.

Next, the Far Circuits board, does not have a bypass on the audio IC which helps keep it in line. Look at the sample circuits for this IC chip, and follow the application notes as to capacitor bypasses, and gain set up.

Before I found out about the sensitivity to low impedance on the power source, I had tried main battery connection bypasses up to 1000 MF with marginal success! An old 9volt battery can still have almost full voltage but will have rising impedance as it ages.

You might try a 12 volt Gel cell with a regulator to get your 9 volts.

Good Luck,
Stuart K5KVH

Date: Wed, 8 Nov 2000 20:54:58 -0500 (EST)
From: n2go@arrl.net
To: qrp-1@Lehigh.EDU
Subject: [83582] ZIF sockets
Message-ID: <Pine.LNX.4.20.0011082053290.1017-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The remaining sockets are spoken for. If any one backs out , I will relist the offer.

73,

Jim n2go

Date: Wed, 8 Nov 2000 20:59:15 -0500
From: n4qa@juno.com
To: qrp-1@Lehigh.EDU
Subject: [83583] Re: Meissner Signal Shifter PSK31 project report
Message-ID: <20001108.205916.-94581.3.n4qa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hello, George and group.
Right you are, George. I just like to try and make things come out
"even" with respect to operating frequency :)
Oh, and I discovered an error in the manual for the Hammarlund
SP-600-JX-26 rcvr.
The manual failed to list one 6 dB I.F. bandwidth selection which I also
failed to include, last post... 3000 Hz ! Just the right size for the
"band" !
And John, thanks for the offer of tube support... I'll be happy to
purchase whichever tubes will be required :)
73-1,
Bill, N4QA

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Wed, 08 Nov 2000 21:09:48 -0500
From: Ken Newman <N2CQ@citnet.com>
To: qrp-1@lehigh.edu
Subject: [83584] Re: CONTEST - a proposal
Message-ID: <3.0.6.32.20001108210948.007cf3f0@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The "Mile per Watt" contest seems to be evolving! That becomes a bit
difficult to score but if both station gave the grid location and power
that could be computed rather easily. The station receiving a QRPP
station quite a distance away would get high points vs in the local
area. The QRPP station working a 5 watt station would get less points
on the QS0. Seems to me a "Mile per Watt" contest is just the thing!

Ken Newman - N2CQ
Woodbury, NJ
N2CQ@ARRL.NET

== QRP CONTEST CALENDAR ==
<http://www.njqrp.org/data/contesting.html>

Date: Thu, 09 Nov 2000 02:38:01 GMT
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [83585] Warbler Q1 & Q7
Message-ID: <F161mF1IT18olkDTM9w00000a5b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Now I am confused! When I installed the 2N7000's, I assumed that the side with the identification symbols was the "flat" side. But looking at the particular style of case the transistors I received have, I could also consider the labeled side the round side. But they really aren't round, but more a beveled rectangle. I've been making contacts with my warbler, although it seems to send a little better than it hears. Do I have my transistors in right or wrong? Somewhat similar transistors like the MPF 102 can be installed either way as I recall. Thanks for all opinions!

73 - Mike WA8BXN

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Share information about yourself, create your own public profile at <http://profiles.msn.com>.

Date: Wed, 8 Nov 2000 22:06:02 EST
From: Slqghp@aol.com
To: qrp-1@lehigh.edu
Subject: [83586] Ping! [no message]
Message-ID: <4d.33831d0.273b6e9a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Date: Wed, 08 Nov 2000 23:20:27 -0500
From: John Wagner <john@neknetwork.com>
To: hubby2k@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [83587] Re: Warbler Q1 & Q7
Message-ID: <3A0A260B.DAB77B53@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mine are installed as follows:

Board is positioned right side up, all connectors on opposite side of board facing away from me.

Q1 has the round painted side with the ID facing towards the left side of the board.

Q7 has the round painted side facing towards the top of the board and the flat side towards the bottom.

Hope this helps^H^H^His correct.

73,

John, KB1ENS

Mike WA8BXN wrote:

>
> Now I am confused! When I installed the 2N7000's, I assumed that the side
> with the identification symbols was the "flat" side. But looking at the
> particular style of case the transistors I received have, I could also
> consider the labeled side the round side. But they really aren't round, but
> more a beveled rectangle. I've been making contacts with my warbler,
> although it seems to send a little better than it hears. Do I have my
> transistors in right or wrong? Somewhat similar transistors like the MPF 102
> can be installed either way as I recall. Thanks for all opinions!

>
> 73 - Mike WA8BXN

>
> -----
> Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.
>
> Share information about yourself, create your own public profile at
> <http://profiles.msn.com>.

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Personal Web page: <http://www.together.net/~jwag>

Date: Wed, 8 Nov 2000 22:41:55 -0600 (CST)
From: Joe Smith <joe@joesmith.net>
To: qrp-1@lehigh.edu
Subject: [83588] schematic program
Message-ID: <Pine.LNX.4.10.10011082241010.12511-100000@nikola.joesmith.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Is there a nice freeware or shareware program available for doing
schematic diagrams? Would appreciate info direct.

72, W0JOE

"I'm going to live forever, or die trying"

Date: Wed, 8 Nov 2000 22:58:11 -0600
From: "Randall" <Firefox@Southwind.net>
To: <joe@joesmith.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [83589] RE: schematic program
Message-ID: <LNBBKDBHLFMOHHIGOGPMGEMKCJAA.Firefox@Southwind.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Please let the rest of us, or at least me, know too.

thanks

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
Joe Smith
Sent: Wednesday, November 08, 2000 10:42 PM

To: Low Power Amateur Radio Discussion
Subject: schematic program

Is there a nice freeware or shareware program available for doing
schematic diagrams? Would appreciate info direct.

72, W0JOE

"I'm going to live forever, or die trying"

Date: Thu, 09 Nov 2000 00:03:13 -0500
From: Radioham <radioham@home.com>
To: Macstein@aol.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [83590] AF4PS FOX Cub Fox Outing -
Message-ID: <5.0.0.25.0.20001108235953.00a27b20@netmail.home.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Mac-

Without a doubt, you are one of the most patient people I have ever met on
the air. In the face of QRM, QRN and just plain loud NOISE, you held me in
there until we got the exchange correct. Thank you and sorry for taking so
much time away from the other folks.

Cub Fox is a great idea for those of us who can't the 25 wpm stuff that
sometimes happens with the regular Fox.

And I thought everyone in FL was out counting votes tonite :-).

72/73,

Steve, N4EUK
Reston, VA

Date: Thu, 9 Nov 2000 00:18:29 -0500
From: "Victor Blackwell" <victor@brechnet.com>

To: <joey@joesmith.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [83591] Re: schematic program
Message-ID: <000d01c04a0c\$7f8d3f00\$355730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Are you the selfish jerk I keep hearing about on this mail reflector?

-----Original Message-----

From: Joe Smith <joey@joesmith.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, November 08, 2000 11:37 PM
Subject: schematic program

>
>Is there a nice freeware or shareware program available for doing
>schematic diagrams? Would appreciate info direct.
>
>72, W0JOE
>
>*****
>
> "I'm going to live forever, or die trying"
>
>

Date: Wed, 8 Nov 2000 23:46:01 -0600 (CST)
From: Joe Smith <joey@joesmith.net>
To: Randall <Firefox@Southwind.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [83592] RE: schematic program
Message-ID: <Pine.LNX.4.10.10011082345160.12511-100000@nikola.joesmith.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 8 Nov 2000, Randall wrote:

> Please let the rest of us, or at least me, know too.

You bet! I'll let you know what treasures I find!

72, W0JOE

"I'm going to live forever, or die trying"

Date: Wed, 8 Nov 2000 22:19:31 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <joe@joesmith.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [83593] Schematic program - Eagle CAD
Message-ID: <01c801c04a15\$06fd3500\$d1a0b2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Everyone,

I haven't used this one, but a professional friend of mine in FL loves Eagle Cad. It can be downloaded from: <http://www.cadsoft.de/> I already have software that I use (Tango) that was purchased years ago, but this is supposed to be a good one. Hope this helps. Take care!

73
Trev
KG6CYN

----- Original Message -----

From: Joe Smith <joe@joesmith.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, November 08, 2000 8:41 PM
Subject: schematic program

>
> Is there a nice freeware or shareware program available for doing
> schematic diagrams? Would appreciate info direct.
>
> 72, W0JOE
>
> *****
>
> "I'm going to live forever, or die trying"
>
>

>

Date: Thu, 9 Nov 2000 09:00:08 -0000
From: "Stephen Farthing" <stephen@stevef.demon.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [83594] Anti static protection
Message-ID: <LPBBKB00GFJJDDGGLFCMEEEBBCOAA.stephen@stevef.demon.co.uk>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Dear all,

I am building a surface mount work station, somewhat like the one in the current ARRL handbook. I want to provide some anti-static protection but anti static mats are expensive. IIRC there was an article in QST about using diluted draftsmans ink painted on wood to provide a makeshift ESD mat. Could anyone let me have the details? Or point me at the right issue of QST?

Thanks

Steve

Date: Wed, 8 Nov 2000 22:46:55 -0700
From: Niels Jensen Kristjansson <nkristja@cadvision.com>
To: qrp-1@Lehigh.EDU
Subject: [83595] Patcomm Radio.....
Message-ID: <1.5.4.16.20001108224759.124f20c0@cadvision.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang,

Just had a look at the Patcomm website
<http://www.qsl.com/patcommradio/webdoc8.htm>
and was wondering if anyone has built this
rig. It is supposed to be a dual band rig
any two bands between 160m-6m, looks interesting.

72 de Niels

VE6NJK
Calgary, AB
Canada

Vi Minore, Plus Gaudium

Date: Thu, 9 Nov 2000 04:24:08 -0500
From: "Ed Tanton" <n4xy@att.net>
To: "SWL Reflector" <swl@qth.net>
Cc: "QRP-L Reflector" <qrp-l@Lehigh.EDU>, "CW Reflector" <cw@qth.net>
Subject: [83596] FW: Space Radiation Storm
Message-ID: <CKEGICNFDIMCEKEDCEHFIEOGEKAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: SpaceWeather.com [mailto:express@spaceweather.com]
Sent: Thursday, November 09, 2000 3:12 AM
To: Space Science News
Subject: Space Radiation Storm

Space Weather News for Nov. 9, 2000
<http://www.spaceweather.com>

RADIATION STORM: High-energy particles are bombarding satellites this morning after a solar eruption unleashed a strong radiation storm. Radio blackouts and minor satellite glitches are possible while the storm persists.

NEAR-EARTH ASTEROID 2000 UG11: A 250-meter asteroid zoomed past Earth on Tuesday just 6 times farther from our planet than the Moon. New video clips show the space rock racing through the sky on Nov. 1st - 7th.

AURORA BOREALIS: Geomagnetic storms on November 3rd and 6th triggered widespread aurora. Pictures of the Northern Lights are now available on SpaceWeather.com.

For more information and images please visit <http://www.spaceweather.com>

Date: Thu, 9 Nov 2000 06:00:29 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [83597] Re: AF4PS FOX Cub Fox Outing -
Message-ID: <001201c04a4d\$09b26f80\$6a211d82@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nice work Mac. Lots of QRM,QRN but you perservered and knocked off those hounds one by one!

Thanks for the pelt! Steve/n0tu, Colorado

-----Original Message-----

From: Radioham <radioham@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, November 08, 2000 10:17 PM
Subject: AF4PS FOX Cub Fox Outing -

>Mac-

>

>Without a doubt, you are one of the most patient people I have ever met on
>the air. In the face of QRM, QRN and just plain loud NOISE, you held me in
>there until we got the exchange correct. Thank you and sorry for taking so
>much time away from the other folks.

>

>Cub Fox is a great idea for those of us who can't the 25 wpm stuff that
>sometimes happens with the regular Fox.

>

>And I thought everyone in FL was out counting votes tonite :-).

>

>72/73,

>

>Steve, N4EUK

>Reston, VA

>

>

Date: Thu, 9 Nov 2000 07:56:19 EST
From: Macstein@aol.com
To: qrp-l@lehigh.edu, Macstein@aol.com, k5di@zianet.com
Subject: [83598] FOX - Cub outing #6 AF4PS (Log and Soapbox)
Message-ID: <15.b7a42eb.273bf8f3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

DRAFT LOG - please send corrections!
(my second attempt to post this to the list..AOL 6.0 is not cooperating)

Cub Fox Hunt #6 November 9, 2000
AF4PS - Mac Steinmeyer, Odessa, FL

K2 at 5 watts to the Infamous Attic Dipole
Every filter I could reach, the outboard DSP and the WE6W Acoustic Cannon

0201	K4BYF	539	FL	Jack	5w
0203	K5DW	579	TX	Don	5w
0206	AC5JH	579	TX	Tom	5w
0207	K5ZTY	579	TX	Bill	5w
0209	WA9YDJ	559	IL	Vance	5w
0210	N4ROA	579	VA	Dan	4w
0212	N5ZE	579	TX	Lew	5w
0213	KK5LD	569	TX	Dan	5w
0216	N1F?	539	CO	ET?	5w ?
0220	KB9BVN	559	IN	Brian	5w
0221	N5IB	589	LA	Jim	5w
0224	N8VAR	559	OH	Ron	5w
0226	K5DI	579	NM	Karl	5w
0229	KA1DED?	559	MI	Mike	5w
0233	K2UD	559	NY	Howard	5w
0234	W0CH	559	MO	Dave	5w
0235	N0TU	559	CO	Steve	5w
0241	K4TJD	559	GA	Tom	5w
0242	KD5?RR	539	TX	?	5w
0245	W3PNL	579	PA	JOE	2w
0247	N8VAR	559	OH	Ron	DUPE
0250	N2CQ	449	NJ	Ken	3w
0254	AA7EQ	559	AZ	Bob	5w
0256	AJ4AY	599	AL	Jay	1w
0301	AF4LQ	569	KY	Mike	5w
0303	KC1FB	559	CT	Jim	5w
0306	N4EUK	539	VA	Steve	5w
0311	W5YR	559	TX	George	5w
0315	N04D	599	SC	Ken	5w
0319	KI0II	579	CO	Ron	5w

0323	W9WIS	539	WI	Mike	4w
0326	WD5CMA	569	LA	Gloria	5w
0333	KD5EKA	599	TX	Bill	QRO
0340	KF?CN	559	?	?	5w <-- (SORRY!)
0347	W6YJ	559	LA	Mike	4w
0355	N10DL	559	NH	Aron	5w
0359	KG4CNZ	599	KY	Robert	QRO
0400	AF4PS	559	FL	Fox	5w

Honorable Mention

403 K4AVX 559 KY John 2w

Comments:

Whew, thanks to all for your patience! I'd forgotten how tuff it is to send 10 wpm for an extended period of time! I didn't use the memories and I kept creeping faster, darn it. Thanks for the QRS reminders.

I was deaf as a fence post tonight. I just kept getting partials, hoping I could dig out the rest on the next call. You are some patient folks! I know I missed some calls and info ... just email me the corrections please and I will happily accommodate you in the log!

The noise... I tried the 4 K2 filters, the outboard DSP, CW reverse, the acoustic cannon, sticking my tongue out... ARGH! I'm gonna go get my hearing checked before the next outing. Static crashes were worse than anything else. I couldn't hear ANYTHING 2 up or higher but Broadcast, and had the QSOs down below on 7.141-2, so I stuck VFO A on 7.143 and tuned VFO B up and down between there and 7.145 with the "split" feature on. That was easier to me than the RIT. I could get partial calls, then nothing. I'm terribly sorry I missed so many. I moved closer and closer to my TX freq. as the night wore on.

I fear I have ruined the Infamous Attic Dipole for 40. It was originally a 40 monobander. I modified it for the summer Fox hunt with ladderline feed down to a balun at the ceiling, kind of a shortened G5RV. It tunes 17, 20 and 80 FB, but I struggle on 10, 15, 30 and certainly 40. Next hunt I will see if I can stick some wire up outside for the evening.

I'll try harder next time to hear out west. I think Bob in AZ was the westernmost station I could copy but was happy to get Karl! C0 came in FB as usual, as did those pesky Texans across the Gulf. I suspect it was the fault of the op as much as the condx tonite. Thanks for all the notes of support and sympathy - grin. Again, please help me correct the log.

72 es oo

-MAC-

AF4PS

Odessa, FL "Home of the Infamous Attic Dipole" and K2 #643

QRP-L #704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,
ARCI #9843, AR QRP #257, HI QRP #83, Whiners #5, SOC #28,
West FL QRP, TARC, ARS #751, Flying Pig QRP #-51
and various other annual \$15 commitments.

Date: Thu, 9 Nov 2000 08:08:58 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: on6ts@arrl.net, qrp-l@Lehigh.EDU
Subject: [83599] Motorhome F/ON6TS/M
Message-ID: <20001109.080908.-213757.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Tnx for the contact Albert, my pleasure . . .

I belong to the "Low Power Amateur Radio Discussion" group here on the
www
<qrp-l@Lehigh.EDU> and sending a portion of our QSO to the 'qrp-l' group
for I am sure many here will be interested in your station power source
and antenna.

Albert, since QSB cut us short, I did not get a chance to ask more about
your mobile whip antenna. I too run mobile from an RV with a short
vertical (see QRPP, Summer 2000, page 4) and would love to hear more
about the one you were using (feed line length and type), (matching
configuration) and (counterpoise), thanks. Is your antenna BASE height
' 3 m AGL' ? >OR< Is '3 m AGL' the top of the antenna height above
ground level?

> > > c o p y < < <

09-Nov-00 / 03:38:22 EST (08Z)

N3AAZ N3AAZ de F/ON6TS/M F/ON6TS/M
Hello and a very good mornng to you dear Om.
Ur RST RST is 559 559 559
My name name is Albert Albe en l rt
My meqt e e Baee
WW Loc is J021oe J021oe J021oe
The mobile QTH at present is Foret-aDuc Foret-au-Duc Foret-au-Duc
Which is about 47 kilometers north west of Autun in the Bourgogne region.
We are on holiday in Frande and touring the Bourgogne region with our

motorhome.

So how copy?

BTU

N3AAZ de F/ON6TS/M ar pse kn dao

N3AAZ N3AAZ de F/ON6TS/M F/ON6TS/M

Solid copy now dear John mni tn timer info.

My mobile qth is a Frankia A600HK motorhome on a Fiat Ducato chassis powered

by a 2.5 litre diesel engine.

The motorhome is quipped with two Siemens solar panels 75 watts each and a

50 watts Rutland 503 wind generator.

My mobile rig is Yaesu FT920 running barefoot on 12 volts and putting 50 watts out.

Antenna is mobile whip on top of motorhome at 3 meters AGL.

o

puter is Toshi

a Satellite Pro 4200 laptop.

Soundchip is Yghhe DS-XG.software is WinWarbler 1.7.0

My website is: www.aerts.nu www.aerts.nu www.aerts.nu

My email address is: on6ts@asrlrnet on6ts@arrl.net on6ts@arrl.net

My qsl is sure via the buro and I would appreciatr card voa the same way.

> > > end copy < < <

Group, be sure to visit Albert's web site and note his milli-Watt-ing achievements, wow, CONGRATULATIONS Albert.

My station today was . . .Icom 706, G5RV-102, and DigiPan 1.5 . . . I answered your CQ with five Watts but after your QRZ? increased my power-out by 10 dB.

Thanks again . . .

Enjoy your touring holiday,
my 73 to you and yours.

John

N3AAZ

FM 19 xa

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Thu, 9 Nov 2000 08:11:04 US/Eastern
From: n2cx@voicenet.com
To: qrp-l@lehigh.edu
Cc: njqrp@njqrp.org
Subject: [83600] Re: Warbler Q1 & Q7 (long)
Message-ID: <200011091311.IAA233106@nss4.cc.lehigh.edu>

Mike, WA8BXN wrote:

>Now I am confused! When I installed the 2N7000's, I assumed that the side
>with the identification symbols was the "flat" side. But looking at the
>particular style of case the transistors I received have, I could also
>consider the labeled side the round side. But they really aren't round, but
>more a beveled rectangle. I've been making contacts with my warbler,
>although it seems to send a little better than it hears. Do I have my
>transistors in right or wrong? Somewhat similar transistors like the MPF 102
>can be installed either way as I recall. Thanks for all opinions!

As most of the denizens of this list are aware, one of the "joys" of kitting these days is finding parts. What really makes this interesting is that when you order basically the same part from different vendors you get electrical conformity but different physical characteristics. And semiconductors are a prime example of this.

Most ICs have some sort of pre- or post- alphanumeric string that indicates the different packaging, pinout, etc. But when it comes to transistors, there is not necessarily any indicator. Different manufacturers use processes or packages unique to their product line that you have to be aware of. It was somewhat different in the "old" days of metal can transistors but with plastic cases almost anything goes!

When the Warbler manual was done, the FETs used were packaged in the familiar T092 style package which has a pronounced "D" cross-section. The manual and printed circuit board component marking was for that device. However mid-way through the kitting we (NJQRP) had to make a quick turnaround order for 2N7000 devices and we got them from a different distributor. As it turns out what we got was in a different case type! And in the crush of getting kits out the door we did not carefully check to see if we had to revise the manual - well, Murphy was just waiting in the wings and he seized the opportunity!

Soooo.... If your Q1 and Q7, the 2N7000 transistors have the familiar pronounced "D" cross-section packages follow the manual and pc board markings. (This package style is the same as the 2N4401's used at Q2, Q3, Q4 and Q9.) That is, the flat side of the transistor with printed identification matches the flat side outline on the board and the rounded side matches the rounded outline on the silk screening.

But if the 2N7000's you got have a flatter package with slightly bevelled edges on one side, you must mount it so that the flatter side faces toward the rounded outline and the side with the bevelled edges (and the printing) faces the flat side of board outline marking figure.

This information will be updated on the NJQRP web site

<http://www.njqrp.org/warbler/kitnotes.html>

later this week but at the moment our webmaster George, N2APB is out of the country. For now you can see the alternate mounting that Jim, WD9EYB runs:

<http://butler.qrp.com/~wd9eyb/psk80/q1q7.jpg>

Thanks to Jim for the service!

For reference you can get a data sheet showing the "D" style T092 package at:

<http://www.fairchildsemi.com/pf/2N/2N7000.html>

And the alternate style at:

<http://www.zetex.com/pdf/thru.hole/2n700p.pdf>

Hope this helps!

72/73,

Joe E., N2CX

This message was sent using Voicenet WebMail.
<http://www.voicenet.com/webmail/>

Date: Thu, 9 Nov 2000 08:22:02 -0500
From: "N1RZ" <n1rz@timhavens.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [83601] Fw: Space Radiation Storm
Message-ID: <003801c04a50\$0f249a30\$3cc8a8c0@silverbullet>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just in case you folks don't get these....and are interested.

Tim (N1RZ)

----- Original Message -----

From: "SpaceWeather.com" <express@spacescience.com>
To: "Space Science News" <sciencenews@spacescience.sparklist.com>
Sent: Thursday, November 09, 2000 3:12 AM
Subject: Space Radiation Storm

> Space Weather News for Nov. 9, 2000
> <http://www.spaceweather.com>
>
> RADIATION STORM: High-energy particles are bombarding satellites this
> morning after a solar eruption unleashed a strong radiation storm. Radio
> blackouts and minor satellite glitches are possible while the storm
> persists.
>
> NEAR-EARTH ASTEROID 2000 UG11: A 250-meter asteroid zoomed past Earth on
> Tuesday just 6 times farther from our planet than the Moon. New video
> clips show the space rock racing through the sky on Nov. 1st - 7th.
>
> AURORA BOREALIS: Geomagnetic storms on November 3rd and 6th triggered
> widespread aurora. Pictures of the Northern Lights are now available on
> SpaceWeather.com.
>
> For more information and images please visit <http://www.spaceweather.com>
>
>
>
>
> ---
> You are currently subscribed to sciencenews as: n1rz@timhavens.com
> To unsubscribe send a blank email to

mailto:leave-sciencenews-414388B@spacescience.sparklist.com

>

Date: Thu, 9 Nov 2000 08:30:48 -0500

From: "Brian" <brian@iquest.net>

To: <radioham@home.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [83602] Re: AF4PS FOX Cub Fox Outing -

Message-ID: <003601c04a51\$458319c0\$3d05080a@cincom.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Fox Cub was 559 to 339 in Indiana last night. Mucho QRM/QRN.

Mac is a excellent op, no doubt about it!

72

----- Original Message -----

From: "Radioham" <radioham@home.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, November 09, 2000 12:03 AM

Subject: AF4PS FOX Cub Fox Outing -

> Mac-

>

> Without a doubt, you are one of the most patient people I have ever met on
> the air. In the face of QRM, QRN and just plain loud NOISE, you held me
in

> there until we got the exchange correct. Thank you and sorry for taking
so

> much time away from the other folks.

>

> Cub Fox is a great idea for those of us who can't the 25 wpm stuff that
> sometimes happens with the regular Fox.

>

> And I thought everyone in FL was out counting votes tonite :-).

>

> 72/73,

>

> Steve, N4EUK

> Reston, VA

>

>

Date: Thu, 9 Nov 2000 08:35:12 -0500
From: "Brian" <brian@iquest.net>
To: <Macstein@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [83603] Re: FOX - Cub outing #6 AF4PS (Log and Soapbox)
Message-ID: <005501c04a51\$e322f7e0\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Amazing what a little QRP will do ya....

2 hours, 23 states.

Mac I want to say how much I appreciate you doing this for us. All the Cubs and Foxes deserve a special place in ham radio legend.

I also think you're nuts but hey, who am I to stop you, but really, offering a free K1 to the first 10 contacts last night was just so unexpected, and appreciated! It really drew the hounds in!

Make mine a 20/40 combo!

Best "oo" es 72

----- Original Message -----

From: <Macstein@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, November 09, 2000 7:56 AM
Subject: FOX - Cub outing #6 AF4PS (Log and Soapbox)

> DRAFT LOG - please send corrections!
> (my second attempt to post this to the list..AOL 6.0 is not cooperating)
>
> Cub Fox Hunt #6 November 9, 2000
> AF4PS - Mac Steinmeyer, Odessa, FL
>
> K2 at 5 watts to the Infamous Attic Dipole
> Every filter I could reach, the outboard DSP and the WE6W Acoustic Cannon

>

> 0201	K4BYF	539	FL	Jack	5w
> 0203	K5DW	579	TX	Don	5w
> 0206	AC5JH	579	TX	Tom	5w
> 0207	K5ZTY	579	TX	Bill	5w
> 0209	WA9YDJ	559	IL	Vance	5w
> 0210	N4ROA	579	VA	Dan	4w
> 0212	N5ZE	579	TX	Lew	5w
> 0213	KK5LD	569	TX	Dan	5w
> 0216	N1F?	539	CO	ET?	5w ?
> 0220	KB9BVN	559	IN	Brian	5w
> 0221	N5IB	589	LA	Jim	5w
> 0224	N8VAR	559	OH	Ron	5w
> 0226	K5DI	579	NM	Karl	5w
> 0229	KA1DED?	559	MI	Mike	5w
> 0233	K2UD	559	NY	Howard	5w
> 0234	W0CH	559	MO	Dave	5w
> 0235	N0TU	559	CO	Steve	5w
> 0241	K4TJD	559	GA	Tom	5w
> 0242	KD5?RR	539	TX	?	5w
> 0245	W3PNL	579	PA	JOE	2w
> 0247	N8VAR	559	OH	Ron	DUPE
> 0250	N2CQ	449	NJ	Ken	3w
> 0254	AA7EQ	559	AZ	Bob	5w
> 0256	AJ4AY	599	AL	Jay	1w
> 0301	AF4LQ	569	KY	Mike	5w
> 0303	KC1FB	559	CT	Jim	5w
> 0306	N4EUK	539	VA	Steve	5w
> 0311	W5YR	559	TX	George	5w
> 0315	N04D	599	SC	Ken	5w
> 0319	KI0II	579	CO	Ron	5w
> 0323	W9WIS	539	WI	Mike	4w
> 0326	WD5CMA	569	LA	Gloria	5w
> 0333	KD5EKA	599	TX	Bill	QRO
> 0340	KF?CN	559	?	?	5w <-- (SORRY!)
> 0347	W6YJ	559	LA	Mike	4w
> 0355	N10DL	559	NH	Aron	5w
> 0359	KG4CNZ	599	KY	Robert	QRO
> 0400	AF4PS	559	FL	Fox	5w

>

> Honorable Mention

>

> 403	K4AVX	559	KY	John	2w
-------	-------	-----	----	------	----

>

> Comments:

>

> Whew, thanks to all for your patience! I'd forgotten how tuff it is to send

> 10 wpm for an extended period of time! I didn't use the memories and I kept
> creeping faster, darn it. Thanks for the QRS reminders.
>
> I was deaf as a fence post tonight. I just kept getting partials, hoping I
> could dig out the rest on the next call. You are some patient folks! I know
> I missed some calls and info ... just email me the corrections please and I
> will happily accommodate you in the log!
>
> The noise... I tried the 4 K2 filters, the outboard DSP, CW reverse, the
> acoustic cannon, sticking my tongue out... ARGH! I'm gonna go get my hearing
> checked before the next outing. Static crashes were worse than anything
> else. I couldn't hear ANYTHING 2 up or higher but Broadcast, and had the
> QSOs down below on 7.141-2, so I stuck VFO A on 7.143 and tuned VFO B up and
> down between there and 7.145 with the "split" feature on. That was easier to
> me than the RIT. I could get partial calls, then nothing. I'm terribly
> sorry I missed so many. I moved closer and closer to my TX freq. as the night
> wore on.
>
> I fear I have ruined the Infamous Attic Dipole for 40. It was originally a 40
> monobander. I modified it for the summer Fox hunt with ladderline feed down
> to a balun at the ceiling, kind of a shortened G5RV. It tunes 17, 20 and 80
> FB, but I struggle on 10, 15, 30 and certainly 40. Next hunt I will see if I
> can stick some wire up outside for the evening.
>
> I'll try harder next time to hear out west. I think Bob in AZ was the
> westernmost station I could copy but was happy to get Karl! C0 came in FB as
> usual, as did those pesky Texans across the Gulf. I suspect it was the fault
> of the op as much as the condx tonite. Thanks for all the notes of support
> and sympathy - grin. Again, please help me correct the log.
>
> 72 es oo
> -MAC-
> AF4PS

> Odessa, FL "Home of the Infamous Attic Dipole" and K2 #643
>
> QRP-L #704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,
> ARCI #9843, AR QRP #257, HI QRP #83, Whiners #5, SOC #28,
> West FL QRP, TARC, ARS #751, Flying Pig QRP #-51
> and various other annual \$15 commitments.
>

Date: Thu, 9 Nov 2000 08:41:56 US/Eastern
From: n2cx@voicenet.com
To: qrp-l@lehigh.edu
Cc: njqrp@njqrp.org
Subject: [83604] Re: Warbler Q1 & Q7 (long)
Message-ID: <200011091341.IAA309178@nss4.cc.lehigh.edu>

Group,

Red fact time...

Eagle-eye Dave, NN1G caught an error in my post.

Waht I should have said was:

But if the 2N7000's you got have a flatter package with slightly bevelled edges on one side, you mount it basically the same way. so that the flatter side faces flat side on the pc board figure flat side and the side with the bevelled edges faces the rounded edge of the board marking. on the "alternate" style transistor package the printing is on the more rounded side while on the "original" style it is on the flat side.

Sorry for the confusion!

72/73,

Joe E., N2Cx

This message was sent using Voicenet WebMail.
<http://www.voicenet.com/webmail/>

Date: Thu, 9 Nov 2000 06:47:19 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.EDU>
Subject: [83605] F/S Shack Cleaning
Message-ID: <000501c04a53\$95351980\$b7dd070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have the following for sale or swap MFJ 4114 power packcharger MFJ 9020
tranciever Palomar SWR/Power meter model 827 Heath kit model S1 resistance
substitution box Icom 735 ARRL handbooks 1975 1976 1977, Operational
amplifiers by GB Clayton, Radio Handbook by William Orr 16th edition,
Fundamentals of logic design 3rd edition by CharlesH Roth Jr reply direct to
colcal@srv.net or 208 357 7431 Thanks Cal KF7ET

Date: Thu, 9 Nov 2000 09:20:12 -0800
From: "Dave Benson" <nn1g@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [83606] Warbler: QSO sample
Message-ID: <003001c04a71\$52145d00\$977fbfa8@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

gang-

Here's a snapshot of a QSO which KB1ENS, John, in Vermont was having with a
station in OH. Solid copy both ways!

http://www.neknetwork.com/kb1ens/KB1ENS_in_QSO.jpg

73- Dave, NN1G

Date: Thu, 9 Nov 2000 08:25:24 -0600
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: <n2cx@voicenet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [83607] Warbler Q1 & Q7 Revisited or Did Joe get it wrong?

Message-ID: <006101c04a58\$f8200780\$02000000a@mcg.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Joe and all,

And I just got the board installed in a case and was about to smoke test it when Joe wrote:

> Soooo.... If your Q1 and Q7, the 2N7000 transistors have the familiar
> pronounced "D" cross-section packages follow the manual and pc board
markings.
> (This package style is the same as the 2N4401's used at Q2, Q3, Q4 and
Q9.)
> That is, the flat side of the transistor with printed identification
matches the flat
> side outline on the board and the rounded side matches the rounded outline
on
> the silk screening.
>
> But if the 2N7000's you got have a flatter package with slightly bevelled
> edges on one side, you must mount it so that the flatter side faces toward
the
> rounded outline and the side with the bevelled edges (and the printing)
faces
> the flat side of board outline marking figure.

BUT WAIT!! I just downloaded both data sheets and Joe's answer appears to be wrong! I had to look three times, I couldn't believe it. The "beveled" edges of the E-Line package (thinner package with rounded beveled edges) appear to be equivalent to the rounded back of the T0-92 style case! The printing on this style is on the side with the beveled edges and John Wagners description of orientation appears to be correct! Nuts! I already removed the board from the case! And so it goes.

73 de Cla KA0GKC

Date: Thu, 9 Nov 2000 08:24:51 -0600

From: "Jensen, Eric" <ejensen@siemens-psc.com>

To: nkristja@cadvision.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [83608] RE: Patcomm Radio.....
Message-ID: <344E21601EE0D311ABB60008C733241F02061B0E@ntsrv1.empros.com>

All,

I believe the link is:

<http://www.qth.com/patcommradio/webdoc8.htm>

Eric
ki0mf

-----Original Message-----

From: Niels Jensen Kristjansson [mailto:nkristja@cadvision.com]
Sent: Wednesday, November 08, 2000 11:47 PM
To: Low Power Amateur Radio Discussion
Subject: Patcomm Radio.....

Hi gang,

Just had a look at the Patcomm website
<http://www.qsl.com/patcommradio/webdoc8.htm>
and was wondering if anyone has built this
rig. It is supposed to be a dual band rig
any two bands between 160m-6m, looks interesting.

72 de Niels
VE6NJK
Calgary, AB
Canada

Vi Minore, Plus Gaudium

Date: Thu, 9 Nov 2000 08:32:38 -0600
From: "Randall" <Firefox@Southwind.net>
To: <ka9nzi@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [83609] RE: QRP Dupe
Message-ID: <LNBBKDBHLFMOHHIGOGPMENACJAA.Firefox@Southwind.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Is there any particular diode used in the CW interface for QRP Dupe or will just about any work ?

thanks

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Gary Lee Phillips KA9NZI
Sent: Tuesday, November 07, 2000 12:20 PM
To: Low Power Amateur Radio Discussion
Subject: Re: QRP Dupe

The latest version of K7RE's QRPDupe program is at
<http://www.dancris.com/~bkassel/index.htm>
and it does indeed support the SS and Cabrillo.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Thu, 9 Nov 2000 09:38:26 -0500
From: Bill Lazure <n2tpa@juno.com>
To: joey@joesmith.net
Cc: qrp-l@lehigh.edu
Subject: [83610] Free and Easy schematic program
Message-ID: <20001109.094213.-225425.0.N2TPA@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Joe and all,

As luck would have it, I just had an article added to the QRP-L website that addresses this issue. Go to:

http://qrp.lehigh.edu/lists/qrp-l/article/n2tpa_circuit.html

For those of you who aren't interested in reading the article,

here's the scoop:

I recommend a program called TinyCad. It runs on Win 95/98, is 208 Kb zipped, and is totally free. It is quite simple to use. The library contains only the basics, but it's easy to make your own. To obtain it, go to:

<http://www.winsite.com/info/pc/win95/misc/cad126.zip/>

GL & 73,

Bill
W2EB

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Thu, 09 Nov 2000 07:30:17 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>, azqrp <azqrp@extremezone.com>
Subject: [83611] Contest: QRPDUPE: Reminder
Message-ID: <3A0AB4F9.322F79F4@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks:

This is a reminder to those that used QRPDUPE for the ARRL SS last weekend need to check two items that may effect their log scoring. These changes will be in the next version of QRPDUPE for ARRL contests. Since the specifications for the CABRILLO format that the ARRL now uses can be a bit confusing, check the following in your log:

AT the very end of the log should be the statement:
END-OF-LOG:

Just as shown above. Also, it's not clear if the ARRL software can except a 0 (ZERO) with a slash through it or not. You may just want to do a search and replace with any text editor that supports that feature such as NOTEPAD or WORDPAD that come with Windows. A step by step procedure would be:

Open the editor.
Open the QRPDUPE file.
Find a call sign with a slashed zero.
Highlight it.
>From the EDIT menu, choose Replace.
The slashed zero should be in the SEARCH line.
Type a non-slashed zero in the "replace with" line.
Make sure that you replace with the "verify" option.
Continue to replace until the end of the log is reached.

Also if you send the log as an attachment, the file name should read
your call.LOG EG: K7RE.LOG

Perhaps as time goes on, the specification will become clearer to us.
Hopefully the ARRL will cut some slack this first year of using this
Cabrillo system.

Brian K7RE

Date: Thu, 09 Nov 2000 07:59:15 -0700
From: Bob Hightower <nk7m@extremezone.com>
To: qrp-l@lehigh.edu, elecrafft@qth.net
Subject: [83612] N0SS Broadband RF Noise Generator Kits
Message-ID: <200011091501.IAA21375@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

We're nearing the end of the third run of these kits, and have decided not
to do any more. I have about 30 of these kits left, so if you want/need one
to either help align your K2 filters, or for any other purpose requiring a
noise generator, please order now.

Details on the kit can be found at <http://www.extremezone.com/~nk7m/noisegen>

To order, please send a check, in the amount of \$10.00 for each kit
desired, to me at 1905 N. Pennington Drive, Chandler, AZ 85224-2632.

Bob Hightower NK7M
Chandler, AZ
SOC #20
K2 #157/255

<http://www.extremezone.com/~nk7m>

Date: Thu, 9 Nov 2000 09:29:22 -0500
From: "Bruce & Tosh Hopkins" <makai@grouper.batelnet.bs>
To: <qrp-l@Lehigh.EDU>
Cc: "glowbugs" <glowbugs@piobaire.mines.uidaho.edu>
Subject: [83613] KL7H/C6A Back on Line
Message-ID: <003701c04a5e\$ff965f40\$440030ce@islandboy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang...

We now have telephone service after nearly a 2 month outage... I apologize to those folks that I left hanging on e-Mail and will try to get caught up with it, and my webpages, as soon as possible... The good news is that Batelnet seems to have saved most of my mail... I downloaded nearly 800 messages last night and have begun the process of sorting through them... The bad news is the story of how we lost our telephone service...

On September 27th we had a tragic accident here on our island... Two workers from our local telecom were doing maintenance on our 300' +/- microwave tower and it collapsed killing them both... The miracle of the story is that when the tower fell, it wrapped itself around the Batelco office building and the top portion landed next to the schoolhouse which was in session... Had it fallen any differently, the tragedy could have been far worse...

You all take care and have fun... Looking forward to catching up with all the goings on in the QRP and GlowBug world...

72/73 - Bruce - KL7H/C6A

<http://www.qsl.net/k17h>

Date: Thu, 9 Nov 2000 10:43:00 EST
From: Slqghp@aol.com
To: qrp-l@lehigh.edu
Subject: [83614] HB - W1FB Dir-Con, T-05 LM308s
Message-ID: <31.c572e26.273c2004@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: quoted-printable

W1FB Universal Dir Con Receiver

Bought the pc board for the project from Far Circuits. While working on it=20 today, I found 4 traces for one of the ICs were shorted. An exacto knife=20 took care of the short. It would probably be a problem for a newbie who=20 tried to build the radio.

Are there any Dir-Con veterans out there? Are there any more surprises=20 waiting for me on the pc board? Using a PC board makes the project a bit=20 more compact, but I can build 'em big in a fraction of the time manhattan=20 style.

On another note, I ordered a bunch of parts from Mouser last week. I'll be=20 waiting for some of them until the middle of January. These were wire lead=20 caps I thought would sit around the warehouse getting dusty. hmmm...=20

Also:

Got some T-05 LM308s, cheap. =A0=A0Are the pinouts the same as the dip versi= on?=20

It's been 30 years since I used this package, I just don't remember. =A0I'm=20 hoping these will be easier to handle manhattan style than the dip-8 chips -= =20

no sockets, no glueing chips upside down, and long leads. =A0

No Fox, no PSK, no computers. Just Homebrew.

Harry Hurst
Hap, WA3PTG
Wilmington DE

Date: Thu, 9 Nov 2000 10:45:14 US/Eastern
From: n2cx@voicenet.com
To: Cla KA0GKC <ka0gkc@arrl.net>
Cc: qrp-l@lehigh.edu
Subject: [83615] Re: Warbler Q1 & Q7 Revisited or Did Joe get it wrong?
Message-ID: <200011091545.KAA167614@nss4.cc.lehigh.edu>

Cal,

Mea culpa.

I posted a second message with corrected corrections...

Sorry about that, Cheif!

Joe E.

> Hi Joe and all,
>
> And I just got the board installed in a case and was about to smoke test it
> when Joe wrote:
>
> > Soooo.... If your Q1 and Q7, the 2N7000 transistors have the familiar
> > pronounced "D" cross-section packages follow the manual and pc board
> markings.
> > (This package style is the same as the 2N4401's used at Q2, Q3, Q4 and
> Q9.)
> > That is, the flat side of the transistor with printed identification
> matches the flat
> > side outline on the board and the rounded side matches the rounded outline
> on
> > the silk screening.
> >
> > But if the 2N7000's you got have a flatter package with slightly bevelled
> > edges on one side, you must mount it so that the flatter side faces toward
> the
> > rounded outline and the side with the bevelled edges (and the printing)
> faces
> > the flat side of board outline marking figure.
>
> BUT WAIT!! I just downloaded both data sheets and Joe's answer appears to
> be wrong! I had to look three times, I couldn't believe it. The "beveled"
> edges of the E-Line package (thinner package with rounded beveled edges)
> appear to be equivalent to the rounded back of the T0-92 style case! The
> printing on this style is on the side with the beveled edges and John
> Wagners description of orientation appears to be correct! Nuts! I already
> removed the board from the case! And so it goes.
>
> 73 de Cla KA0GKC
>
>
>
>
>

This message was sent using Voicenet WebMail.
<http://www.voicenet.com/webmail/>

Date: Thu, 9 Nov 2000 10:49:22 EST
From: Macstein@aol.com
To: brian@iquest.net, qrp-1@lehigh.edu
Subject: [83616] Re: FOX - Cub outing #6 AF4PS (Log and Soapbox)
Message-ID: <ba.d5048d9.273c2182@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 11/9/00 9:03:18 AM Eastern Standard Time, brian@iquest.net writes:

> I also think you're nuts but hey, who am I to stop you, but really, offering
> a free K1 to the first 10 contacts last night was just so unexpected, and
> appreciated! It really drew the hounds in!
>
> Make mine a 20/40 combo!

Hummm. I admit to being nuts, but I *might* have used your credit card to order the 10 K1s. You silly man! Nice sig last night Brian.

-MAC-
AF4PS

Date: Thu, 9 Nov 2000 11:03:53 -0500
From: "Brian" <brian@iquest.net>
To: <Macstein@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [83617] Re: FOX - Cub outing #6 AF4PS (Log and Soapbox)
Message-ID: <001101c04a66\$a84026b0\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That would explain the FBI stopping by here this morning asking about a Mac character.

Do you know when they'll be shipping? <GRIN>

----- Original Message -----
From: <Macstein@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, November 09, 2000 10:49 AM

Subject: Re: FOX - Cub outing #6 AF4PS (Log and Soapbox)

> In a message dated 11/9/00 9:03:18 AM Eastern Standard Time,
brian@iquest.net
> writes:
>
> > I also think you're nuts but hey, who am I to stop you, but really,
offering
> > a free K1 to the first 10 contacts last night was just so unexpected,
and
> > appreciated! It really drew the hounds in!
> >
> > Make mine a 20/40 combo!
>
> Hummm. I admit to being nuts, but I *might* have used your credit card to
> order the 10 K1s. You silly man! Nice sig last night Brian.
>
> -MAC-
> AF4PS
>
>

Date: Thu, 09 Nov 2000 10:01:54 -0600
From: Lew Paceley <lew@paceley.com>
To: Firefox@Southwind.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [83618] Re: QRP Dupe
Message-ID: <005701c04a66\$61ff1300\$0332a8c0@roland.swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi Randall,

Brian can give you the straight-from-the-horses-mouth scoop
but I suspect the diode is there to provide additional
reverse voltage protection for the LED internal to the
isolator. It also provides a little more noise immunity and
reduces the LED current slightly. So almost any small signal
diode should do: 1N4148 or 1N914 or similar. The current
limiting resistor is needed, fer sure.

Due to a lack of optos in the junk box I built the interface
found in the TRLog manual with the 1K resistor and 2N2222A
(no diode, no cap)....and it works like a champ. The

optoisolator circuit is probably a better choice if you're concerned about potential ground loop/noise problems between your computer and your rig.

Also, I should point out that none of these simple interfaces meet "the letter of the law" vis a vis the RS-232 signaling spec. Practically speaking, they seem to work just fine though :-)

Good luck and

72/73,
Lew
N5ZE

----- Original Message -----

From: "Randall" <Firefox@Southwind.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, November 09, 2000 8:32 AM
Subject: RE: QRP Dupe

>
>
> Is there any particular diode used in the CW interface for
QRP Dupe or will
> just about any work ?
>
> thanks
>
>
>
> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
[mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Gary Lee Phillips KA9NZI
> Sent: Tuesday, November 07, 2000 12:20 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: QRP Dupe
>
>
> The latest version of K7RE's QRPDupe program is at
> <http://www.dancris.com/~bkassel/index.htm>
> and it does indeed support the SS and Cabrillo.
>
> -- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
> KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
> QRP-L #2124 <http://www.qsl.net/ka9nzi/>

>

Date: Thu, 9 Nov 2000 11:21:40 EST
From: NB6M@aol.com
To: qrp-1@lehigh.edu
Subject: [83619] Receive Audio Adjustment for PSK-80 Warbler
Message-ID: <c1.886fa71.273c2914@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Because of the fact that I am using a Toshiba 2595CDT Laptop for PSK-31 with the "Warbler", and the laptop does not have an audio "Line" input, only a Microphone input, the receiver audio from the Warbler was much too high for the laptop, making the entire received spectrum bright yellow.

Even with the laptop's recorder microphone volume turned all the way down, the screen was still mostly yellow in the received spectrum area.

So, after taking a look at the schematic, I changed R-23 to a much higher value. After a couple of experimental tries, I settled on 56 K Ohms as the new value for R-23.

With 56 KOhms at R-23, the audio level to the microphone input to my laptop now gives me the proper amount of display adjustment, from almost totally blue to pretty heavily yellow speckled.

So, if your waterfall display is mostly or all yellow in the received spectrum and your volume control won't take it to the level you want, try changing out R-23 for a higher value.

72

Wayne NB6M

Date: Thu, 09 Nov 2000 11:37:05 -0500
From: John Meade <john.meade@smc.com>
To: qrp-1@Lehigh.EDU
Subject: [83620] Re: General Log s/w w/QRP?
Message-ID: <3A0AD2B1.90AF6C92@smc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Try N3FJP's ACL0G AT

<http://members.aol.com/snkdavis/page1.html>.

72,

John W2XS

Date: Thu, 9 Nov 2000 11:37:08 EST
From: Macstein@aol.com
To: pwomble1@tampabay.rr.com, qrp-1@lehigh.edu
Subject: [83621] Re: FOX - Cub outing #6 AF4PS (Log and Soapbox)
Message-ID: <92.c3f2ec9.273c2cb4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 11/9/00 11:11:43 AM Eastern Standard Time,
pwomble1@tampabay.rr.com writes:

> Where did I go?

UH OH Paul, I actually had you DUPED in the hand logs, and failed to type
either one in the posted log. I'll fix it. Thanks.

-MAC-
AF4PS

Date: Thu, 9 Nov 2000 11:40:09 -0500 (EST)
From: William Mabry <n4qa@juno.com>
To: qrp-1@lehigh.edu
Subject: [83622] Warbler transistor installation
Message-ID: <384751906.973788009778.JavaMail.root@web425-wra>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Whew, guys !

I ain't even buildin' a warbler just now and I'm confused, too. :)

I LOVE this hobby !

When "it" gets this out of hand, it's better to start all over , IMHO :)

And, it goes without saying (even though I'm sayin' it anyway) that manual instructions might include a couple of possibilities as to package styles/pinouts etc which one might encounter, given the aforementioned differences among manufacturers/suppliers.

I know, I know, hindsight... but, now, looking FORWARD :) :)

Just tryin' to be helpful :)

And I do realize and appreciate that the prime motive was to deliver product as quickly as possible :0)

Keep up the great work, guys !

73-1,

Bill, N4QA

Date: Thu, 09 Nov 2000 09:00:54 -0800

From: Phil Wheeler <w7ox@earthlink.net>

To: NB6M@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [83623] Re: Receive Audio Adjustment for PSK-80 Warbler

Message-ID: <3A0AD846.ED8A529F@earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Wayne,

I'm still awaiting my PSK-80 (likely will come in a month or so). But thanks very much for posting this information. I will file it away for future reference, if needed.

73, Phil W7OX

NB6M@aol.com wrote:

>

> Because of the fact that I am using a Toshiba 2595CDT Laptop for PSK-31 with
> the "Warbler", and the laptop does not have an audio "Line" input, only a
> Microphone input, the receiver audio from the Warbler was much too high for
> the laptop, making the entire received spectrum bright yellow.

>

> Even with the laptop's recorder microphone volume turned all the way down,
> the screen was still mostly yellow in the received spectrum area.

>

> So, after taking a look at the schematic, I changed R-23 to a much higher
> value. After a couple of experimental tries, I settled on 56 K Ohms as the

> new value for R-23.
>
> With 56 KOhms at R-23, the audio level to the microphone input to my laptop
> now gives me the proper amount of display adjustment, from almost totally
> blue to pretty heavily yellow speckled.
>
> So, if your waterfall display is mostly or all yellow in the received
> spectrum and your volume control won't take it to the level you want, try
> changing out R-23 for a higher value.
>
> 72
>
> Wayne NB6M

Date: Thu, 9 Nov 2000 12:32:07 EST
From: WA6GER@aol.com
To: qrp-l@lehigh.edu
Subject: [83624] Nostalgia Want: Drake 2NT
Message-ID: <ac.cd79011.273c3997@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I recently picked up a nice 2C, and thought an equally nice 2NT to go with it would be, well, nice. I have seen a couple on eBay, but that source really isn't my cup of tea.

Is this QRP related? Is now, because I promise not to run more than 5 watts.

Thanks, all.

jim, WA6GER

Date: Thu, 9 Nov 2000 12:38:09 US/Eastern
From: n2cx@voicenet.com
To: Slqghp@aol.com
Cc: qrp-l@lehigh.edu, njqrp@njqrp.org
Subject: [83625] Re: HB - W1FB Dir-Con, T-05 LM308s
Message-ID: <200011091738.MAA188126@nss4.cc.lehigh.edu>

Hap,

Keep the solder meltin...

The answer to your query is yes!

However you gotta keep in mind that in the T05 can pin 8 is the one by the tab and that the numbering is counterclockwise when viewed from the top.

if you feel inclined to venture further in checking this out, se the National Semi web site at:

<http://www.national.com/pf/LM/LM308.html>

72/73,

Joe E., N2CX

You wrote:

<SNIP>

Also:

Got some T-05 LM308s, cheap. Are the pinouts the same as the dip version? It's been 30 years since I used this package, I just don't remember. I'm hoping these will be easier to handle manhattan style than the dip-8 chips -- no sockets, no glueing chips upside down, and long leads.

No Fox, no PSK, no computers. Just Homebrew.

Harry Hurst
Hap, WA3PTG
Wilmington DE

This message was sent using Voicenet WebMail.
<http://www.voicenet.com/webmail/>

Date: Thu, 9 Nov 2000 10:00:36 -0800
From: "Bliss, Jerry" <Jerry.Bliss@us.telegyr.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [83626] FW: QRPers in this years SS
Message-ID: <E96C7FB3B78BD311B5D200A0C9DB9AF6D8FA7E@sjcs10.lgca.lg.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="ISO-8859-1"

This might be of interest to the list readers.
Jerry/k6iii
San Jose, CA

-----Original Message-----

From: K7NV
Sent: Wednesday, November 08, 2000 8:41 PM
Subject: Re: QRPers in this years SS

I did a quickie Excel analysis of my log and here's what I saw. The "values" are bogus numbers to get the qso and mult weighting correct. Qso value is the number of Q's x 2 pts x 80 mults. Mult value is number of mults x net qso's x 2pts.

Class	QSO's	Dupes	Mults	Qso Value	Mult Value	Total Value	
A	735	0	41	117600	103402	221002	54.7%
Q	196	1	18	31360	45396	76756	19.0%
B	223	3	14	35680	35308	70988	17.6%
U	58	0	3	9280	7566	16876	4.2%
M	49	1	4	7840	10088	17968	4.4%
S	5	0	0	800	-	800	0.2%
----	-	--				-----	
	1266	5	80			405120	

The "Q" gang was responsible for a larger part of my score than the "B" gang. The mults probably could have been different between the two, but I think the reason the "Q's" had more mults is because they were working harder to give them to me than the "B's" who were busily cq'ing.

I noticed several "Q's" that must have been using those old "tuna can" rigs. They called so far off freq that they were buried under the adjacent "B" turkey that was trying to chase me off the freq. Pulled a few of'em out, it's great fun when the rate sucks, and keeps ya from nodding off, even if it makes you talk to your radio during a CW contest!

Overall, I thought they all did a really great job of being just far enough off zero-beat to get heard, and all were 100% at hanging in there and getting the exchange done, eventhough a few times it was hopeless. I found it faster to send back what was in question for a confirmation, than to wait till it came out of the "schmutz" completely clear on the 14th over, when the guy calling the fellow next door, off frequency, shut up. More of the "A's" cut and ran before completing the qso than the "Q's".

Here's another tidbit from my log, the percentage of the contacts in each Class that I worked by having to find them S&P (or conversely, who was most likely to come find me):

Q	1.5%	(Most Likely)
A	5.2%	
U	10.3%	
S	20.0%	
M	22.9%	
B	22.7%	(Least likely)

Some of these guys are definitely using adult antennas! I had a hard time with more antenna challenged "A's" than the "Q's".

Happy listening...!

--

73, Kurt, K7NV

--

Submissions: nccc@contesting.com
Administrative requests: nccc-REQUEST@contesting.com
Problems: owner-nccc@contesting.com

Date: Thu, 9 Nov 2000 12:58:03 -0500 (GMT+5)
From: wd9eyb@butler.qrp.com
To: kanga@bright.net, qrp-1@lehigh.edu
Subject: [83627] Re: Fort Wayne Hamfest
Message-ID: <Pine.LNX.3.95.1001109125326.25083A-100000@butler.qrp.com>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Bill,

Thanks for checking with the hamfest people.
I'll be there on Saturday if the creeks don't rise (they won't).
I'll bring my PSK-80.
I hope they give us a time on Saturday.
Let me know how else I can help.

Jim, WD9EYB

Date: Thu, 9 Nov 2000 18:46:02 -0000
From: "M05aaa01" <merryprankster@CWCOM.NET>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [83628] Stripboard Magic schematic program
Message-ID: <004401c04a7d\$51ae03a0\$a90f2cc3@M05aaa00>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has any one heard of and / or know where I can get Stripboard Magic.
its a program for schematics on vero boards.

Thanks from Bob M5B0B

Date: Thu, 9 Nov 2000 11:04:50 -0800
From: schoon@amgt.com
To: <qrp-1@Lehigh.EDU>
Subject: [83629] OT: Help Getting Yaesu FT757gxii Rig Serviced
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-
BD-001109190450Z-5004@mail.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Thanks for Reading!

I have the above rig and it's in need of some serious TLC. It's been

used in a mobile environment most of it's life. Most likely an alignment, and some fixes to get 10m FM working... I've tried AES and they seem reasonable enough except for shipping to Milwaukee and Yaesu has a 5 to 7 week turn around time. Anyone have other recomendataions for service places??

TIA & 72

.mark

IS Manager

One of the worst months that was.....

Date: Thu, 09 Nov 2000 13:16:56 -0600
From: "Pat Cain, K0PC" <pcain@netscape.net>
To: qrp-1@Lehigh.EDU
Subject: [83630] FOX- Second announcement for fox #6 11/09
Message-ID: <4.2.0.58.20001109131425.00ca8630@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"; format=flowed
Content-Transfer-Encoding: quoted-printable

Here is another reminder for tonight's Fox Hunt. I hope you all show up and=
=20
have a good time, I know I will.

72,
Pat K=D8PC

Particulars --
Date : Thursday 11/09 8:00-10:00 CST (11/10 0200-0400 Z).
Frequency : Around 7.042, I'll be listening up 0.5 - 2.0 kHz.
Rig : Icom 756Pro throttled back to 5W. I thought about using the K2 but=20
the DSP filters on the Icom are tough to beat.
Antenna : 40M inverted vee with the center at 40 ft.
QTH : Chanhassen, MN (a suburb of Minneapolis).
Sample Exchange : <your call> 599 MN PAT 5W <your call>
Code Speed : I'll be sending at 24 WPM but I'll try to match your speed.

Date: Thu, 09 Nov 2000 14:43:53 -0500

From: Ed Kessler <edkess@epix.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [83631] Trade 6m xverter for SST
Message-ID: <3A0AFE79.60C04BB2@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a Ten Tec 6m (Model 1208, 20m to 6m) transverter that is in great condition that I'd like to trade for an SST, built or unbuilt.

I'd prefer the SST to be a 40m or 30m version.

Would be willing to sell the transverter as well. I think around \$75 shipped would be fair, but reasonable offers will be considered. Manual comes with the transverter.

73
Ed AA3SJ
950 Woodside Station Road
Millersburg, PA 17061

Date: Thu, 09 Nov 2000 14:49:25 -0500
From: Ed Kessler <edkess@epix.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [83632] FS: SW+ 20m w/tick and freqmite
Message-ID: <3A0AFFC5.CE69F1E@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This 20m SW+ is housed in a Ten Tec style case and packaged for backpacking:

Has the following features:

- 1) Internal 12V (AA cells) battery holder.
- 2) Tick 1 keyer
- 3) Freqmite

I recently used this radio on a cross country bike trip, and had a lot of fun. Add a 20m dipole, a key and you're ready to go.

\$100 plus shipping, reasonable offers considered. Will consider a trade for an SST, preferably 40m or 30m.

73s

Happy QRPing
Ed Kessler AA3SJ

Date: Thu, 9 Nov 2000 15:14:06 -0500
From: "Paul Christensen" <paulc@mediaone.net>
To: <nkristja@cadvision.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [83633] Re: Patcomm Radio.....
Message-ID: <003601c04a89\$9d0ca340\$0a668118@se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It appears that the Patcomm dual-bander is fully assembled. It offers operation on any two HF bands, power is adjustable up to 15-watts, incorporates variable digital filtering within the AGC loop, and incorporates a PC keyboard mode for CW/RTTY...no computer necessary as all processing and text display is integrated into the transceiver. No mention of QSK and receive-mode DC current consumption is 0.9 ampere @ 13.8 VDC. It looks like an interesting addition to the likes of the SGC SG-2020, Elecraft K/1K2, and Ten-Tec Scout. Anyone have a personal product review to share with us?

-Paul, W9AC

----- Original Message -----
From: "Niels Jensen Kristjansson" <nkristja@cadvision.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, November 09, 2000 12:46 AM
Subject: Patcomm Radio.....

>
> Hi gang,
>
> Just had a look at the Patcomm website
> <http://www.qsl.com/patcommradio/webdoc8.htm>
> and was wondering if anyone has built this
> rig. It is supposed to be a dual band rig
> any two bands between 160m-6m, looks interesting.
>
> 72 de Niels
> VE6NJK
> Calgary, AB
> Canada

>
> Vi Minore, Plus Gaudium
>
>
>

Date: Thu, 09 Nov 2000 14:22:52 -0600
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [83634] Re: Contest: QRPDUPE: Reminder
Message-ID: <3A0B079C.ED5499A1@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, I hope the ARRL will realize how the Cabrillo specs, as they have been posted, are really too vague for a programmer to follow and be sure of getting it right. I find it difficult to understand why these specs have never been recast into a more formal data processing form. (For instance, the character set should be specified, which would clarify the slash-zero issue. Every field should be individually described in terms of length and position.)

I also hope the ARRL will release some kind of validation program that we can run BEFORE submitting the file, to check it for formatting errors, etc. But I'm not holding my breath.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Thu, 9 Nov 2000 15:26:31 -0500
From: "Doyle, Ronald D" <RD130947@exchange.DAYTONOH.NCR.com>
To: qrp-l@Lehigh.EDU
Subject: [83635] FOX: Cub Fox for Monday Nov. 13 est
Message-ID: <51643DBAD36BD411851300E0292658670172FA2F@SUSDAYTE53>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

To all Foxii hunters,

Yes, I'm really early but sometimes life works that way.

I (Ron, N8VAR) will be the Cub Fox on Monday November 13 9:00est. It looks like 7.143 is the frequency that seems to be working out best so that's where I will start +/- qrm of course.

I will be using a Ten Tec Omni-C with it's 500hz filter. The antenna will be a 40m dipole up about 20 feet. It resonates pretty well so won't use the tuner if I can help it. Keeps the losses down. :) I am in Huber Heights, OH which is a suburb on the north side of Dayton. The exchange that I will send will sound something like:

'ur call' rst rst OH Ron 5w 'ur call' de n8var bk.

I will call for

My speed will be about 13wpm. If you call slower I will slow down. If you don't pick up all the exchange then listen (unless it's the exchange of course). I will be repeating it plenty (I hope:)

The Omni has been a real nice rig and I've been able to work anything I could hear. I also have an outboard filter that I may use if the qrm is too bad or I have trouble picking out call signs. I will NOT be listening on my frequency at the start. If you call me on my frequency you will be interfering probably. 500hz up also seems to be working out so that's where I will start listening. I will be moving my RIT to pick out the calls so don't expect me to stay in one place.

It looks like we haven't hit 50 contacts in the 2 hours yet so that's my goal. Come out and help me meet that goal.!!!

72 es gud fox hunting.

Ron, N8VAR
Cub Fox Monday, November 13, 2000

Date: Thu, 09 Nov 2000 12:26:21 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: paulc@mediaone.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [83636] Re: Patcomm Radio.....
Message-ID: <3A0B086D.B8A6DA94@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul Christensen wrote:

>
> It appears that the Patcomm dual-bander is fully assembled. It offers
> operation on any two HF bands, power is adjustable up to 15-watts,
> incorporates variable digital filtering within the AGC loop, and
> incorporates a PC keyboard mode for CW/RTTY...no computer necessary as all
> processing and text display is integrated into the transceiver. No mention
> of QSK and receive-mode DC current consumption is 0.9 ampere @ 13.8 VDC. It
> looks like an interesting addition to the likes of the SGC SG-2020, Elecraft
> K/1K2, and Ten-Tec Scout. Anyone have a personal product review to share
> with us?
>

If this is the PC-1600A, it is included in the RX performance comparison table at the Elecraft web site. Go to

<http://www.elecraft.com/>

and select the "Spec. Comparisons" item at the left.

Phil W7OX

Date: Thu, 9 Nov 2000 15:27:34 EST
From: Macstein@aol.com
To: AA4MD@amsat.org, KD4RML@gte.net, af4sr@hamclub.org, mikemo@ibm.net,
kf4cpj@arrl.net, w4emi@arrl.net, w4stx@arrl.net, k4shi@arrl.net, w2xn@arrl.net,
kf4yiv@arrl.net, wd4hha@juno.com, ac4my@arrl.net, K4FB@arrl.net,
spanky@afcon.com, battery@writeme.com, kg4hri@hamclub.org, kg4evw@arrl.net,
Subject: [83637] QRP late breaking news.
Message-ID: <14.b598fda.273c62b6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Really late notice but...

Doc, K0EVZ is in Tampa, and we are going to try the QRP-L Foxhunt from the TARC Clubhouse tonight, Thursday 11/9/00. I'll try to get there by 8:30pm after getting keys from Biff and picking Doc up..

Doc may get to stay in town for the regular West FL QRP Club meeting on Sat. at 10 am. For directions and more info, go here: <http://www.qsl.net/westfla/>

72

-MAC-

AF4PS

Odessa, FL "Home of the Infamous Attic Dipole" and K2 #643

QRP-L # 704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,
ARCI #9843, AR QRP #257, HI QRP #83, ARS # 751, Whiners #5,
SOC #28, West FL QRP, Flying Pig QRP #-51...
and various other annual \$15 commitments.

Date: Thu, 09 Nov 2000 15:29:47 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: NoVa QRP group <NoVaQRP@topica.com>, NJ QRP Club <njqrp@njqrp.org>, QRP-L
<qrp-l@lehigh.edu>, GQRP-L <gqrp@onelist.com>
Subject: [83638] 7X4AN on 21.010.6 at 2025Z 10/9/00
Message-ID: <3A0B093B.7DF4C557@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Med, 7X4AN, is calling CQ on 15m -- he's about 579 here in the
Washington, DC area. Worked him with 5 watts to my attic dipole.

Good Luck,

Jake - N4UY
Vienna, VA
(Wash DC suburbs)

Date: Thu, 9 Nov 2000 15:31:46 -0500
From: "Doyle, Ronald D" <RD130947@exchange.DAYTONOH.NCR.com>
To: qrp-l@Lehigh.EDU
Subject: [83639] FOX: Cub Fox hunt Monday November 13, 9:00est
Message-ID: <51643DBAD36BD411851300E0292658670172FA8A@SUSDAYTE53>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

One should read messages before sending them:(

I noticed I had started a sentence and had a brain spasm.:

I will call for hounds:

cq cq fox de n8var k

or

fox qrz

72 de Ron, N8VAR
Cub Fox Monday, November 13

Date: Thu, 09 Nov 2000 12:31:34 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: paulc@mediaone.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [83640] Re: Patcomm Radio.....
Message-ID: <3A0B09A6.A85C5177@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul Christensen wrote:

>
> It appears that the Patcomm dual-bander is fully assembled. It offers
> operation on any two HF bands, power is adjustable up to 15-watts,
> incorporates variable digital filtering within the AGC loop, and
> incorporates a PC keyboard mode for CW/RTTY...no computer necessary as all
> processing and text display is integrated into the transceiver. No mention
> of QSK and receive-mode DC current consumption is 0.9 ampere @ 13.8 VDC. It
> looks like an interesting addition to the likes of the SGC SG-2020, Elecraft
> K/1K2, and Ten-Tec Scout. Anyone have a personal product review to share
> with us?
>

Looking at the footnote on the Elecraft table, their data came from ARRL
tests dated 12/00. Sure enough, the PC-1600A is reviewed in the Dec
2000 QST and that review is now posted at the "member's only" part of
the ARRL web site.

Phil W7OX

Date: Thu, 09 Nov 2000 12:33:47 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: paulc@mediaone.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [83641] Re: Patcomm Radio.....
Message-ID: <3A0B0A2B.F06C7CCE@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul Christensen wrote:

>
> It appears that the Patcomm dual-bander is fully assembled. It offers
> operation on any two HF bands, power is adjustable up to 15-watts,

Well, reading the review, this is an all-band (vs. two-band) rig. Sorry
about that!

Now I will have to go find out about the two-bande r:-)

Phil

Date: Thu, 9 Nov 2000 15:36:46 -0500
From: "Paul Christensen" <paulc@mediaone.net>
To: <w7ox@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [83642] Re: Patcomm Radio.....
Message-ID: <005201c04a8c\$c7be7ac0\$0a668118@se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just to clarify, the dual-band Patcomm model being referred to is the PC-500
with a price of \$395.00 (assembled).

-Paul, W9AC

----- Original Message -----

From: "Phil Wheeler" <w7ox@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, November 09, 2000 3:26 PM
Subject: Re: Patcomm Radio.....

>
>
> Paul Christensen wrote:

> >
> > It appears that the Patcomm dual-bander is fully assembled. It offers
> > operation on any two HF bands, power is adjustable up to 15-watts,
> > incorporates variable digital filtering within the AGC loop, and
> > incorporates a PC keyboard mode for CW/RTTY...no computer necessary as
all
> > processing and text display is integrated into the transceiver. No
mention
> > of QSK and receive-mode DC current consumption is 0.9 ampere @ 13.8 VDC.
It
> > looks like an interesting addition to the likes of the SGC SG-2020,
Elecraft
> > K/1K2, and Ten-Tec Scout. Anyone have a personal product review to
share
> > with us?
> >
>
> If this is the PC-1600A, it is included in the RX performance comparison
> table at the Elecraft web site. Go to
>
> <http://www.elecraft.com/>
>
> and select the "Spec. Comparisons" item at the left.
>
> Phil W7OX

Date: Thu, 09 Nov 2000 13:14:41 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: Paul Christensen <paulc@mediaone.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [83643] Re: Patcomm Radio.....[PC-500]
Message-ID: <3A0B13C1.7E26973A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul Christensen wrote:

>
> Just to clarify, the dual-band Patcomm model being referred to is the PC-500
> with a price of \$395.00 (assembled).
>

I just got back from reading the detailed specs. Here is the part that

gives me pause:

"Power Consumption: .9 Amps RX, 2 Amps TX at 5W, 5 Amps TX at 15 W
Requires 11.5 to 14.5 VDC (Slightly lower output power at voltages less
than 13.8 VDC)"

An RX current of 900 mA, assuming it is accurate, will not treat
batteries very kindly. By comparison, my K2 draws around 200 mA on RX
and my K1 needs only 52 mA.

>From the picture at the web site

<http://www.patcommradio.com/webdoc8.htm>

it has a very bright display, which may account for some of the drain.
The also mention a DDS and digital filtering .. likely significant
contributors.

I'd be interested in comments by someone who has used the PC-500, and
some verification (or renunciation!) of the current data at the web
site.

73, Phil W70X

Date: Thu, 9 Nov 2000 14:21:00 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@lists.gpfn.sk.ca, qrp-l@lehigh.edu
Cc: gqrp@onelist.com
Subject: [83644] PROTON EVENT WARNING
Message-ID: <Pine.SUN.4.10.10011091332570.3374-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

There was a major M7 class flare right about midnite, 0000UTC on
9 November that has turned into the 4th largest PROTON EVENT since
1976. First, thanks to those who posted the initial NOAA alert on
this to QRP-L, etc. several hours ago for a nice "heads up."

Since about 0400UTC today, we have been bombarded with copious amounts
of energetic >100MeV protons from this M7 long duration event flare.
>100MeV protons means they are smacking into us at about the speed of
light (compared with most flares, where the protons ride along with
the solar wind and take 2-3 days to get here).

As a result ...

A MAJOR POLAR CAP ABSORPTION (PCA) EVENT IS IN PROGRESS.
GPS TIMING/POSITION ERRORS IN PROGRESS.
CONTAMINATION OF SOLAR WIND, SOHO IMAGES, ETC. IN PROGRESS

For those interested, these effects are described below with some accompanying neat websites. Those in Canada, northern Europe, etc. might find this especially entertaining, since you won't be doing much on HF for these next couple of days!

The average absorption in the higher latitudes around 2000UTC was 16dB at 30MHz. The LOWER you go in frequency from this ... the HIGHER the absorption. This enhanced absorption is caused by the arriving protons ionizing the D-layer (absorption layer) well above normal, gobbling up virtually all of your signal strength in the upper latitudes. Hams living higher than 50 degrees N or S latitude are in a virtual radio blackout right now, which will continue for the next 2-3 days.

In the MIDDLE LATITUDES (about 30-45 degrees), there is enhanced DAYTIME absorption below 15MHz right now, making 80-20M work difficult.

THE GOOD NEWS is these protons also ionize the E and F layers on their way down to the D-layer, so the HIGHER FREQUENCIES are pretty hot right now in middle latitude areas.

GPS WARNINGS:

The Polar Cap Absorption event and all the protons/electrons swirling around our magnetic fields right now is causing high scattering and longer path lengths to VHF signals coming to earth from satellites. As a result, timing, position and elevation on your GPS will experience larger than normal errors for the duration of the Proton Event. (Here at the radio observatory, we compare the GPS time to a hydrogen maser and currently seeing excursions of several tens of uSecs.)

OTHER NASTY EFFECTS:

This bombardment of energetic protons has seriously effected many of the spacecraft sensors in orbit. As a result, the various data plots you may be used to seeing on the web, such as solar wind speed, density, SOHO CME imagers, etc. are highly contaminated right now. Many other optical sensors, such as weather satellites, have a very "snowy" picture right now as these protons fly through the CCD cameras.

AURORA ACTIVITY:

This enhanced proton event, combined with the expected shockwave later today from a CME, will cause enhanced auroral activity at both poles.

For those wishing to see some of the effects of this, GOTO:

www.sec.noaa.gov/today.html

Scroll down to see the midnight M7 flare in x-ray energy, then scroll down a bit more to see how the proton sensors on the GOES satellites are nearly saturated ... and how the electron sensors are completely wiped out (no useful data).

From here, you can also click to the current estimated AURORAL ACTIVITY ESTIMATES, which shows where current auroral activity and intensity is.

www.sec.noaa.gov/rt_plots/dregion.html

To see the current condition of the D-layer absorption. The past hour or so, it has been returning to normal levels. However, this plot does not graphically show the effects of the D-layer absorption in the polar region, as it is model derived based on the position of the sun only.

<http://umtof.umd.edu/pm/>

This is the realtime proton monitor on SOHO, maintained by the Univ. of Maryland. Note how the solar wind speed and density plots are highly contaminated right now. These sensors measure the speed and density of the protons in the solar wind, normally traveling around 350-650 km/sec, not 300,000 km/sec (speed of light)!

<http://moondog.astro.louisville.edu/flares/flare.jpg>

This is a neat little site we monitor fairly often. It is a radio receiver at the Univ. of Louisville that monitors the 32KHz submarine transmitter at Cutler, Maine. Very little causes attenuation at such VLF frequencies, except for absorption reaching ground levels or a ground level electron/proton event. The current plot is virtually dead from VLF absorption, and unfortunately, can not be used at the moment to see if this is a ground level event (GLE). Last year, this was one of the few earth based sensors that detected that gamma burst that caused several minutes of night time E and F layer ionization, and the only documented event in history of ionization being caused by something other than our sun.

Hope you enjoy some of the above information and websites.

72, Paul NA5N

Date: Thu, 09 Nov 2000 13:15:39 -0800
From: Russ Carpenter <russ@natworld.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [83645] Results of the NOVEMBER SPARTAN SPRINT
Message-ID: <B63053E4.5EA6%russ@natworld.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

For most of us, the November Spartan Sprint featured strange, "over the pole" signals on both 20 and 40 meters. But it was surprising how many signals were there--you just needed to have faith.

Each contact received one point. If you didn't tell us how much your station weighed, or if it weighed more than Mt. McKinley, we stipulated a weight of 30 pounds.

The soapbox has been published separately in today's issue of The ARS Sojourner. Don't miss it! <http://www.natworld.com/ars>.

THE SKINNY DIVISION (results sorted in order of points per pound)

Call	Name	80m	40m	20m	15m	10m	Total Qs	Wt.	Qs/ Pound
AA4XX	Paul	0	0	15	0	0	15	0.7	21.4
WA7LNW	Jack	0	42	10	0	0	52	4.1	12.7
AA7QU	Russ	0	36	20	0	0	56	5.5	10.2
N7SR	Steve	0	0	11	0	0	11	1.1	10.0
W0UFO	Mert	0	9	11	0	0	20	3	6.7
AE6N	Jim	0	0	15	0	0	15	3	5.0
K6HB	Bill	0	5	0	0	0	5	1.0	5.0
AL7OK	John	0	0	5	0	0	5	1.1	4.5
N0IBT	Dave	0	17	12	0	0	29	6.5	4.5
K4KJP	Teerry	0	0	11	0	0	11	2.5	4.4
KB9LCK	Chris	0	12	5	0	0	17	4	4.3
KF6QKI	Rich	0	0	5	0	0	5	1.2	4.2
N5IW	Dave	0	28	26	0	0	54	13	4.2
AD6JY	Dan	0	7	1	0	0	8	2	4.0
KG6CSN	John	0	8	0	0	0	8	2.4	3.3
N4HAY	Dick	0	18	0	0	0	18	5.8	3.1
KB7MBI	Alan	0	7	8	0	0	15	5	3.0
WD7Y	Ed	0	0	14	7	0	21	7	3.0
K4FB	Paul	0	0	6	0	0	6	2.5	2.4
KI0II	Ronnie	0	14	0	0	0	14	6.1	2.3
W1PID	Jim	0	1	1	0	0	2	0.9	2.2

K2UD	Howard	0	3	0	0	0	3	1.5	2.0
K7RE	Brian	0	29	17	0	0	46	30	1.5
N9AW	Jerry	1	32	11	1	0	45	30	1.5
NM5M	Eric	0	14	18	0	0	32	30	1.1
K07X	Alan	0	11	14	0	0	25	30	0.8
K6RPN	Doug	0	16	8	0	0	24	30	0.8
N7AC	Tom	0	16	8	0	0	24	30	0.8
VE3FFK	Mike	0	0	5	0	0	5	8	0.6
AA8IV	Rich	3	0	0	0	0	3	6	0.5
W9FNB	Gary	0	0	7	0	0	7	14	0.5
KC8LTL	Ken	0	4	0	0	0	4	8	0.5
N5WL	Bart	0	7	6	1	0	14	30	0.5
K6PZB	John	0	9	3	2	0	14	30	0.5
VE3XT	Bill	0	12	0	0	0	12	30	0.4
KA8LLE	Ben	2	1	9	0	0	12	30	0.4
KA0ENU	Joe	0	11	0	0	0	11	30	0.4
WF6D	Bill	0	3	0	0	0	3	30	0.1

THE TUBBY DIVISION (results sorted in order of points)

Call	Name	80m	40m	20m	15m	10m	Total Qs
AA7QU*	Russ	0	36	20	0	0	56
N5IW	Dave	0	28	26	0	0	54
WA7LNV	Jack	0	42	10	0	0	52
K7RE	Brian	0	29	17	0	0	46
N9AW	Jerry	1	32	11	1	0	45
NM5M	Eric	0	14	18	0	0	32
N0IBT	Dave	0	17	12	0	0	29
K07X	Alan	0	11	14	0	0	25
K6RPN	Doug	0	16	8	0	0	24
N7AC	Tom	0	16	8	0	0	24
WD7Y	Ed	0	0	14	7	0	21
W0UFO	Mert	0	9	11	0	0	20
N4HAY	Dick	0	18	0	0	0	18
KB9LCK	Chris	0	12	5	0	0	17
AE6N	Jim	0	0	15	0	0	15
KB7MBI	Alan	0	7	8	0	0	15
AA4XX	Paul	0	0	15	0	0	15
N5WL	Bart	0	7	6	1	0	14
KI0II	Ronnie	0	14	0	0	0	14
K6PZB	John	0	9	3	2	0	14
VE3XT	Bill	0	12	0	0	0	12
KA8LLE	Ben	2	1	9	0	0	12
N7SR	Steve	0	0	11	0	0	11
K4KJP	Teerry	0	0	11	0	0	11
KA0ENU	Joe	0	11	0	0	0	11

KG6CSN	John	0	8	0	0	0	8
AD6JY	Dan	0	7	1	0	0	8
W9FNB	Gary	0	0	7	0	0	7
K4FB	Paul	0	0	6	0	0	6
AL7OK	John	0	0	5	0	0	5
KF6QKI	Rich	0	0	5	0	0	5
K6HB	Bill	0	5	0	0	0	5
VE3FFK	Mike	0	0	5	0	0	5
KC8LTL	Ken	0	4	0	0	0	4
WF6D	Bill	0	3	0	0	0	3
AA8IV	Rich	3	0	0	0	0	3
K2UD	Howard	0	3	0	0	0	3
W1PID	Jim	0	1	1	0	0	2

* Contest Manager not eligible

Thanks for supporting The Adventure Radio Society!

Russ Carpenter, AA7QU
Contest Manager

Date: Thu, 9 Nov 2000 16:41:34 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'Jerry.Bliss@us.telegyr.com'" <Jerry.Bliss@us.telegyr.com>, Low Power Amateur
Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [83646] RE: QRPers in this years SS
Message-ID: <125490A005E3D3118C9C00805FC743CC0179C65E@kahless.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi, Jerry,

Thanks for forwarding that. It was very encouraging.

I do think that QRPers should take note of his comments about off-frequency calling. I note a lot of it during the QRP tests. I suspect it comes from many of the homebrew rigs with offsets that are not right on the money. I sometimes miss the good old days of separate transmitters and receivers when zero beating was very easy. I found that when I called a big gun, unless I got beat out, I got an answer, but I am always very close to his op frequency.

Those that had relatively poor success might want to grab a separate receiver, listen to a signal, use your QRP rig to tune in that signal, then transmit (safely -- don't blow up your separate receiver). You will then know how far off your transmitted signal is from the signal you are trying to work.

73,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org>
ARRL Technical Information Service: <http://www.arrl.org/tis/>

-----Original Message-----

From: Bliss, Jerry [mailto:Jerry.Bliss@us.telegyr.com]
Sent: Thursday, November 09, 2000 1:01 PM
To: Low Power Amateur Radio Discussion
Subject: FW: QRPers in this years SS

This might be of interest to the list readers.
Jerry/k6iii
San Jose, CA

-----Original Message-----

From: K7NV
Sent: Wednesday, November 08, 2000 8:41 PM
Subject: Re: QRPers in this years SS

I did a quickie Excel analysis of my log and here's what I saw. The "values" are bogus numbers to get the qso and mult weighting correct. Qso value is the number of Q's x 2 pts x 80 mults. Mult value is number of mults x net qso's x 2pts.

Class	QSO's	Dupes	Mults	Qso Value	Mult Value	Total Value	
A	735	0	41	117600	103402	221002	54.7%
Q	196	1	18	31360	45396	76756	19.0%

B	223	3	14	35680	35308	70988	17.6%
U	58	0	3	9280	7566	16876	4.2%
M	49	1	4	7840	10088	17968	4.4%
S	5	0	0	800	-	800	0.2%
	----	-	--			-----	
	1266	5	80			405120	

The "Q" gang was responsible for a larger part of my score than the "B" gang. The mults probably could have been different between the two, but I think the reason the "Q's" had more mults is because they were working harder to give them to me than the "B's" who were busily cqing.

I noticed several "Q's" that must have been using those old "tuna can" rigs. They called so far off freq that they were buried under the adjacent "B" turkey that was trying to chase me off the freq. Pulled a few of'em out, it's great fun when the rate sucks, and keeps ya from nodding off, even if it makes you talk to your radio during a CW contest!

Overall, I thought they all did a really great job of being just far enough off zero-beat to get heard, and all were 100% at hanging in there and getting the exchange done, eventhough a few times it was hopeless. I found it faster to send back what was in question for a confirmation, than to wait till it came out of the "schmutz" completely clear on the 14th over, when the guy calling the fellow next door, off frequency, shut up. More of the "A's" cut and ran before completing the qso than the "Q's".

Here's another tidbit from my log, the percentage of the contacts in each Class that I worked by having to find them S&P (or conversely, who was most likely to come find me):

Q	1.5%	(Most Likely)
A	5.2%	
U	10.3%	
S	20.0%	
M	22.9%	
B	22.7%	(Least likely)

Some of these guys are definitely using adult antennas! I had a hard time with more antenna challenged "A's" than the "Q's".

Happy listening...!

--

73, Kurt, K7NV

--

Submissions: nccc@contesting.com
Administrative requests: nccc-REQUEST@contesting.com
Problems: owner-nccc@contesting.com

Date: Thu, 9 Nov 2000 14:58:47 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Macstein@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [83647] Re: QRP late breaking news.
Message-ID: <Pine.LNX.4.10.10011091455020.1520-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Great news Mac. You guys have a great time tonight, but don't be blue if you can't work the Fox. The sun has done ugly things to our 40 meter band. I will listen but the fox is above 50 degrees so he may hear nada.

Will listen for you guys. We might be able to work each other since we are in the mid latitudes.

On Thu, 9 Nov 2000 Macstein@aol.com wrote:

> Really late notice but...
>
> Doc, K0EVZ is in Tampa, and we are going to try the QRP-L Foxhunt from the
> TARC Clubhouse tonight, Thursday 11/9/00. I'll try to get there by 8:30pm
> after getting keys from Biff and picking Doc up..
>
> Doc may get to stay in town for the regular West FL QRP Club meeting on Sat.
> at 10 am. For directions and more info, go here: <http://www.qsl.net/westfla/>
>
> 72
> -MAC-

> AF4PS
> Odessa, FL "Home of the Infamous Attic Dipole" and K2 #643
>
> QRP-L # 704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,
> ARCI #9843, AR QRP #257, HI QRP #83, ARS # 751, Whiners #5,
> SOC #28, West FL QRP, Flying Pig QRP #-51...
> and various other annual \$15 commitments.
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 9 Nov 2000 15:13:53 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [83648] Iambic Paddle/Tick Keyer Kit
Message-ID: <Pine.LNX.4.10.10011091507050.1520-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The wx has become cold and it's time to put kits together. I started with this Ft. Smith QRP Group keyer kit because it looked simple. It isn't. But with a lot of effort and griping to myself and my wife over how crummy my building skills are, the key paddle part is done. It was a fight and it looks like heck. But the ohm meter tells me it will work. I quit and tomorrow I will try manhaten construction and get it to work electrically. This may be my backpack key. Then no-one but the wife and friends will ever see it.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

End of QRP-L Digest 2001

